Payphones of the World

HONG KONG





Photos by Michael Poseteri A Cardphone and a Chelliphone. The Creditiplians takes credit cards, the Cardphone takes phone cards. They hold take coins as well.

FINLAND



Photo by Plypy the Squid transity orrange, coin phones are bluessilver.

Photo by Munin Raminer

In the frantier town of Prierra Jimenes,

Peninsula de Osa.

COSTA RICA

TEL EFONO



Scanding on Card phone in Scanding and Reminiscent of coin phones throughout

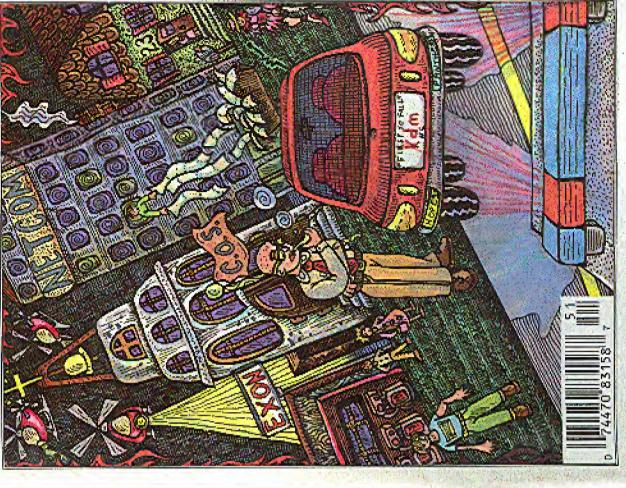
7600

The Hacker Quarterly

SPRING 1995 VOLUME TWELVE, NUMBER ONE!

\$4 (\$5.50 in Canada)

The state of the s



STAFF

Emmanuel Goldstein Editor-In-Chief

Scott Skinner Layout

Holly Kaufman Spruch Cover Design

Office Manager

these hacker's employment is terminated? Will the individual decrey or disrugge the will tell." - unbridded parasonis from The Organized Horberthood, part of McDennett businesses also has receively taken a new direction, due to teachers' growing whethers collects and Alpharees a constant flow of stolen calling-cord information, corporate "There are an estimated R5,500 hookers in the U.S. and their contensity is growing company's union' data networks, release vital information about their surmonks to prior articlities. The right to 0.8, businesses is also:: What will happen when one of train-reali-novess data, compromised PIEX DINA-part workbook, haventhe maderia, ation hackers, or plant the weeks of future destruction in company systems! Three employed within Fortune 500 firms, which know nothing about the individuals' Internet gateways, long-diskunce calls stoles from emperots weisens and through by an estimated 19 percent onweally. They are not indicted individuals, sleeping and maturity. Security investigations have confirmed that known however over cionad callular telephotes, and stolen cellular phose III.... The strent to U.S. about 1,300 wederground bulletin boards somes the U.S. This injustraction metropolitan ety in North America. Harisers communicate the comprehensed early in a recurrent hoosens have established formed apprecians within every Douglas' interval security nemetatter indeed to us by an inside hooken

Voice Mail: Noon Samuraj, Network Operations: Max-q, Piotrus, Sarla. David Ruderman, Silant Switchman, Mr. Upsotter, Voyagar, In. Williams. Knight Lightning, Kevin Milnick, NC-23, The Plague, Peter Rubbit, Dr. Delum, John Drake, Paul Estov, Mr. French, Rob Hardy, Kingpia, Writers: Billsf, Klue Whale, Eric Corley, Count Zero, Kevin Crow,

Shout Outs: Glenn Case.

Technical Expertise: Rep Conggrijp, Joe630, Philad Optik

leaking_cables.	assorted news	review: masters of deception	2600 marketplace	pager major	500 exchange guide	hacking tandy	hacking in brazil	letters	cellular interception techniques	facts on atm camera security	the gold card	the world vs. kevin mitnick
54	52	50	48	42	41	38	36	28	23	20	6	4

7 Strong's Laure, Schnaket, NY 11733 2600 (ISSN 0719 3851) is published granterly by 2600 Exceptises Inc.,

Second class postage permit paid at Setapiet, New York

POSTMASTER: Send address changes to

Copyright (e) 1995-2800 Enterprises, Inc. 2600, P.O. Rox 752, Middle Island, NY 11953-0752

Overseas -- \$50 individual, \$65 corporate Yearly subscription: U.S. and Ceneda --S21 individual, S50 corporate (U.S. funds).

hadrvidual issues available from 1988 on at \$6.25 each, \$7.50 each overseas Back issues available for 1984-1994 at \$25 per year, \$30 per year overseas.

2609 Office Line: \$16-751-2600, 2600 FAX Line: \$16-474-2675 INTERNET ADDRESS: 2500@weilsfoards FOR LITTIERS AND ARTICLE SUBMISSIONS, WRITE TO: ADDRESS ALL SUBSCRIPTION CORRESPONDENCE TO: 2009 Editorial Dept., P.O. Hew 99, Mights Februar NY 11953-0099 2000 Subscription Dept., P.O. Box 752, NSGDe Island, NY 11953-0752.

Spring 1995

2600 Magazine

Page 3.

earlier in Mach Tio, the Orden heater magapplicated remainst of the carried when appeared 2008年20日 This is an adequied, teamband, and

cable, the never chippards as well as magdiscy look nice inc. boilt by a firm called Landis and Gyr and netic cards of all sorts. The phones are should be: they take the old style optical called PTT-Teleoon, and they are mighty prova of their new care-phones. And they In Holland the phone company is

intelligent than the other. Here is what the types of prepaid chipcards for telephones, EEPROM and a counter. There are two and one type is equally a fully bit more more on these cards than a little EPROM or very, very durab. In fact there is not much cheap they had to make them dumb. Year, countries world-wide. To make those cards cands as they are being used in a number of This article deals with the properly obtp-

Cards of Type I

france and Medaco, the other in Sweden. in two variables. Use is being used in This is the oldest type of card. It comes

> The phone telks to the gands using a syn-Spein, Norway, Anderry, Ireland, Portugal The Ozenh Republic, Gabon, and Finland neW when it's being read abouts 21 Valls to program and has a 500 ns access time. od using a handware fiese. The chip uses \$5 chrocous protocol and they are built using PPROM of which 96 buts are write protect-NMOS technology. They occasio a 256 bit

Chip Pasition

두 구 Nega d

不多多年

Oats Pin

S

Clock

VPP

20061

so AFNOR cards are becoming zero. To used the drawings; the coads are being hold racis garage up. with the chip in the upper left corner, con-Erench have switched to the ISO-position, worry about the ISO position: even the reader-writer you'll promibly only need to position. If you decide to mailed your own norm, and therefore we'll call it the ISO-French used to use . The new position is an places on the card. The first position is called AFNOR, and it's the old position the ISO (International Standards Organization) The chip could be in two different

What They Do

The next detains is a timing diagram.

Type 1 Cards, AFNOR position

Type I Cards, ISO position



card's two varieties

tags show the memory contains of this Fuse must be at 5 volts. The next two drawand 50 and When reading the card, Vipp and velts. The cl and is time directions in the

port. Ppp is extiched between 5 and 21

timing diagram must both be between 10

be directly connected to a PCR parallel

coming out of a netebook's printer port.

The Resot, Clouk, and S/W input pins can

voles. The cords of this type that we rested

That means a low is 0 volts, a high is 5 in this drawing except Vpp are ITL-level. gram the bit that you jumped to using only the Vpp pin and palso the clock you prowrite and put the programming voltage on

the clock. This bit will go from I to 0.

A few doings to keep in princ; all signals

with all can perfectly the new the 3.3 valls

5 Gnd

288

N

2600 Magazine

S Fuel

7 Data

Spring 1998

which shows you what the communication with the part should look like. If you read Conclusion: filling up amply words is not were there than is quite thereby burned also not easy, because the eard less a hard faining country-code, card-type, etc. This is write fifty book to 1, so raising the withe of ultravioler wavelength. If you do succeed the thip is embodded in as totally opeque at going to be tough, occause the plastic that EPROM you could try to crase it. This is not work. Because the whole chip is your oard through normal interaction does you'll base to re-write the first 96 bits core

counter resets. If seed is then brought high clock is pulsed then the earthy internal it you'll see that if reset is pulsed low and

put pare one by one. If you raise not-read. you can "clock out" the dup bits to the out-

Holland, Generally, and George. They don't newest one. Cards are being used in rood 21 walts anymore and they're just a litase always in the ISO position. the smarter than the type I cords. The chips Of the two outdated systems, this is the

What They Do

The clip on the can't does not let you I look the corresponding memory bit is outwithin a nevel pulse; As soon as revel goes back to zero when a clock guise happens you'll notice the internal counter going When looking at the timing diagrams

of the card steps the same, it never goes enseed at the same time. At best the value only if a bit in the higher-value byte is whole byte our be written back to SFE, but in the counter can be written to zero. A number of hits at the 4 position, regardless of their position in the byte. The bits the value of a leyte is determined by the abacus. The amount is stored ectally, and card is stored in 5 bytes that work as an drawing). The number of units left on the until clock goes low again (part A of the aul address counter, but the corresponding bit does not appear on the output purput through the output pin. Every rising Black on the clock pin increases the inter-

Memory Map Type I cards (France and Monaco)

up. The first byce of the counter contains

	¥ №	- ½
mayor	1 to	0.0
machine serial number fields and strain and serial number fields and serial number fields and serial number fields for the field to the field field and serial number fields and serial number fields.	#00% France / Monnago	meaning Inquericode

only 4 weeble bits, the lites bit (64) to a

32 345-255 500

4095 - 20430 units. In Hollard a triff is a are actual telephone cost-pulses. Pfernig (Mark/100), and in Greece they cent (guilden/100), in Germany it's a intal value for the sand thus becomes 5 x counter-area string production. The max-67) are sometimes used for tests in the card initializes. The pext three bits (65card-enable that is semed out when the

ER SA

progress and the next clock pulse should pulse means a write-operation is an Palse followed by a clock pulse. The reset zero it clooks there and then it does a sexci-If the phone booth wants to write a bit to

Memory Map Type 1 cards (other countries)

	Y =		4	işa T		y N
	32.87		86. 26.	916	2	171.0
Plastates Factory batch, maybe even sorbil number.	Thybea to be epecified by man-	GBTS + E (new below)	#60000 testal number of police on	which photocoated of this type	lescon copie	r-ezeri-g

0000000 \$0.50 form 150 unit card. 4 sky \$8000 for iC trib card. 25, 30, 50, 50, 100 at 350 Telephone-side, Every Direct at Country rode (see below) BCC roded. Gomphes bytes th with the value in 1945 and in been blie carel Carda and IO, 22. are written in the Mastery to walter to it. The first of using हैं हैं कि होता माने के बेरिश हो क्षेत्र

\$40 fortugal \$50 Tuhochia (or whysiaech.) White Read 555 Andorra \$30 Korway ii. Je \$22 Spal-The country and a の名は生

> decementation we have. Both during write This operation is called "erase" in all the current one to SFF (C in tinting diagram). signates the card to set the byte below the timent does fact write time, the second time fotough the write operation twice. The first (B in timing desgram) back to 1. This is done by just going write all the bits in the hyte below that counter, but to do the actual write instead not be used to increment the informal [(!) though the output pin and the chip con-The phone could also write a bit and

is 500 units (5 guildars), and \$62 is the 25 the eard than disk maximum. guilden eard. There can be no more units on bought, \$22 to 10 graitions (1000 units), \$42 Solaic). The second byte is the value when the manufactures (\$05) Georphys. \$2A anything. In Holland the first one gives you bytes that are issuer-determined could be SFF in all cands we've soon so tim. The 5 have to do with chip resting. The hyte is be written to by the manufacturer. The doc-"Specific Data" is EEPROM that can only is always \$80 in Holland. The byte with content for this earl type. The issuer code umentation is cryptic, but it's missoured to The next diswing shows the mentary

Manufacturing

phonecard chip tells a few things about the state in the chip and turn it on to become a kuwa chase direc bytes can you program are looked for itsuspectation using a which the PTT's get the cards. The cards "transport code" of three bytes. Only if you The date that we have on this type of

bits 80-103. These bits cannot be read how-(?) in bits 72-79 and the transport code is in cannot be crased, there is "enable memory" state" is as follows: 0-25 are static, 24-7; ever, it sooms the code has to be checked in The memory map in the "transport

pares and acts accordingly.

but it's not very likely. Maybe something works using UV-light, but all the obvious staff decan't wants is needed at best. We tried to feel the card rosot a bit in a higher register, so the effect enough not to let you do that unless you bits back to I again, the card is steam Although this card doos allow you to so:

and crase the circle should be an for at

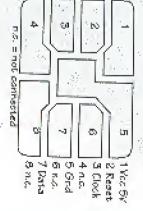
least (0 inclbseconds.

cronscally identical. teleo bytes: each batch of 100 cards to eleccands have a different social number on the 5 ing potential here. By the way, not all the catering the code. There may well be backble that the cand can be reprogrammed after Post code after production. It is well page: We have no idea how to enter the trans-

Building Your Own Reader/Writer

not run off the 3.3 votes other found on and you're set. Note that eards of type 2 will Just hook this up to your PC's parallel port add in the 21 volt part yourself. There is you wish to write to type I cards you can very little bandward to build as you can see. build a readen/writer that can read cards of The software to go with this is phone, exetype I and 2 and write to cards of type 2. If phone. Using the schematic below you can You can have your computer play pay-

Type 1 Cards, ISO position



32 248-250 St. Ahen card is N.II.

Spring 1995

think a cord is inserted when you press a key. tactions for local purious settinger will also notebook printer pack. The care-detect con-

E

card in a rather peacliar way. Option -mation), writing (-webits) or crasing (sidediates this behaviour. reser responsely. A real phone reads the "5" toggle Power, Reset, Clock, and French you in a test moder keys "p", "r", "e", and as an exercise to the reader. Phone -t brings programmed in just one stop, but that is left the program so that a new (lower) value is erbiar) hits. You could of course proofily can need the entire card (-v for more infor-Ozas then you can do everything the phone with Microsoft C 6.0 with options -G2r using Borland C++ with options -O2 -2 or source called phone.c. If that is compiled At the end of this graidle there is a

Listening In

Clock

Konet

9

3

(3) X Data Pin

4

Add: Xegister

(100 kg

大のかの日

is hooked up in parallel with the phone and eard, the right goes to the printer part on enough to see what is going on. This will what happens on the printer port bits in schematic, you can get your IVI to listen in B090. printer port. The left part of the schematic work also on notelessiks with the 3.3 volt real time. Takes at least a 3%6 to be fast on the conversation between a card and a phone. You can write a program to monitor With the help of this "supeyor"

Goldcard

Clack

(No.000)

3

(M) 122 (Med)

(h+n)

(m+1) ×

(e+2) (√ Dasa Pin

74

7+2

n+3 Addr Register

conversation. This makes it very possible to insert it The Disch, being patiently passout in the back and then simulating the build a faile ohipsand that has withis coming noid and miserly, only insert decir card in Dukéi péronecenés stay in sight during the the phone of they can still see it. So the doors that above behind the card as you Many countries have these nasty steel

(n+1) ((n+1)

(F+1)

n+2 Addr Register

Card and Phone

Parallel Port

하하

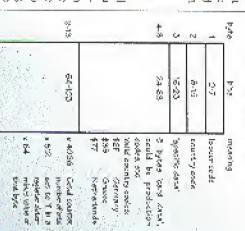
Research Control South

08486

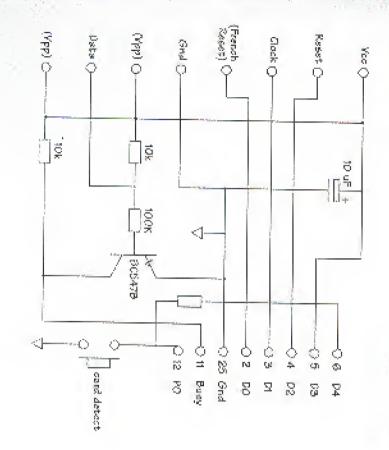
Gnd ()

HC4049

Memory Map Type 2 carde



Dummy Chipcard



entire chipsard from a notebook computer. This potentially gives you an "always fall" phonecard. The program must however do exactly the same thing as the real and. We made a fake chippard by peeling the chip out of an empty and and soldering (careful, not too bot!) thin transformer wires to the contests.

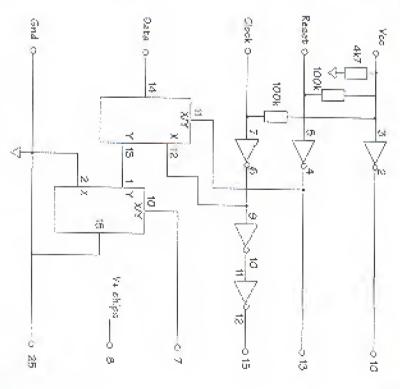
The program we made is called KPN. GOLD.EXII, and it coads a dempirite in the same formest as made by PHONI.EXE. Of course the program also participates in the whole abacus countdown routine. But as soon as power drops (card removed from telephone), the card goes back to its migsual value. You can also use this combina-

tion of like obligated and software to cost your own obligated seaster-writer. We have been playing with three PC's. One as phone, one as enoper, to tap the conversation.

The V+ in the createur schematic is artisched to pic 1 of the 4049 and pin 16 of the 4053. Year 14 and 8 of the 4059 and pins 3, 4, 5, 6, 7, 8, and 9 of the 4057 are attached to ground. In the vicinity of the chips year pur a 100 nF capacitor between V+ and ground.

Security Lugic?

Supposedly the cards have a special



"security mechanism" that keeps the phone from accepting an equilator as the neal card. We early read about this mechanism after we had successfully enculated the earl but we did notice security enculated the earl but we did notice security enculated the phone issues a very fast reset of only a few microseconds, and it expects the cord to do the context behaviour. We solved this by having the entire nest behaviour done by a hit of handware in the contains of the we harked the "security mechanism" this way. Ah well....

More Intelligent Cards

There are also chipmants out there that | issue.

have complete interoprocessors with RAM and EEFROM on them. These cards are used in the new PAN-European GSM mobile telephone system for instance, for Germany these cellular telephony cards also work in payphones: the cell shows up on your cellular phone bill. All the Butch phones can do this too, and ramour has it that there will be a whole range of specialised chipearsts. There may be tearly fast can only call use marker these business card. This type of used can be seeing much before with the use of challenge-response tricks and tryplography. Maybe we'll write about all this in a future

Spring 1995

2600 Magazine

Page 14

delay(10);

CUTDUCT FORES | PREPARE (\$6850): output POWER | 130_38688):

top (i = 0) i < pun_date / 8;

Inc. 15 + 0: 5 + 8: 5+4; ?

(Copyal_State)

1960 T 1960 TELE

 $\Delta z \operatorname{Ca}(\Sigma) = 0$:

An eleck with the re-

COLD EXE, den 'neven ask. we don't spread KPN-GOLD.C or MINtype of thing if you just say it, we did it. No. look. Because the PTT tends to derry this to be flaky every time you take a absersystems" that they are so proud of turn our law or two. Phone companies are said not information to show that all the "secure he ampset by it either. We published this tor to make free calls sould be against a In most countries the use of the entula-

the phone. can't are so domb, it can't be bard to their what they did to secure it. Remember, these in print, le a feture issue, we'll rell you much about this whole project before it was Rack-Tie came out. I guess we talked ton emulator and the real card. They were real makes them while to dissinguish between our PTT did something to the phones that amoused to have deere it a week before Since we published this in August, the

phone.c

```
struct cardinountry octl. + (
                                                                                                                                                                                                       100
                                                                                                                                      1: Astemporary Company
                                                                                                                                                                                                                          196
                                                                                                                                                                            京京
                                                                                                                                                                                                                                                                          Party Dengthann
                                                                                                                                                                                                                                                                                            日日の中国日本は BURN
                                                                                                                                                                                                                                                                                                                                            PROMINE CANO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               東の中止にいる 中の名の形
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               wdettne DEIECT
                                                                                                                                                                                                                                                                                                             日本の間である。これで
                                                                                                                                                                                                                                                                                                                                                            PROBLEM TO
                                                                                                                                                                                                                                                                                                                                                                           Participates 19
                                                                                                                                                                                                                                                                                                                                                                                                            を出からする。可能の第15年 FDの日の
                                                                                                                                                                                                                                                                                                                                                                                                                             ASSES SESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                               Taration W.E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Fredtra 180_BREST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (* ouepues: */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              *thetada verype.by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #amclude verdisblay
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #include reacts.by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FindLode Votes by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tingledo konokoliky
     (Oxol, "Deroland", 1);
                                                                                        THE STOCK STOCK
                                                                                                                       MCCO. PRODUCTION
                                                                                    C/10/
                                                                                                   "Same?"
                                                                                                                     Sell of
                                                                                                                                                                                                                                     mun_data;
                                                                                                                                                                     62 - 65
                                                                                                                                                                                                      COLUMN I OF
                                                                                                                                                                                                                                                                        D118 (2881)
                                                                                                                                                                                        Silect + 3,
                                                                                                                                                                                                                        0000 m E2
                                                                                                                                                                                                                                                                                         Saca [32];
                                                                                                                                                                                                                                                                                                                                            32.00
                                                                                                                                                                                                                                                                                                                                                          0280
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sw24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cartil
                                                                                                                                                                                                                                                                                                                                                                                                                           0802
                                                                                                                                                                                                                                                                                                                                                                                                                                             2x36
1010 Chits (world)
                                                                                                                                   CENTRO II 35
                                                                                                                                                                                                    trial dead niver
                                                                                                                                                                                                                                                                                                                                                       country unsigned observation
                                                                                                                                                                                                                                                                                                                                                                          RESCHOOLDING TOURS A
                                                                                                                                                                                   (CCA DOCA Description) waited
                                                              MODERA (covered) to
                                                                                                                  tor in masky mask over 19
                                                                                                                                                   unstigned char
                                                                                                                                                                                                                                                                                                      While (out area of con-sour) in
                                                                                                                                                                                                                                                     PRODUCT (GOD):
                                                                                                                                                                                                                                                                                                                    Secure dand_coverny tesp a cer
                                                                                                                                                                                                                                                                                                                                                                                                                                      (0x55, "Bioland", ");
(0x57, "Mesberlands", 2);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            00X55.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (OX23)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1000 P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SXIE, "SWALLER", II.
                                                                                                                                                                                                                                                                                                                                                                                                                           (0. "Codicey makegory", -1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             「おの女の事」
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              fickae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (0003)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (D)230.
                                                                                                 10 IVal a mexic)
                                                                                                                                                                                                                                                                      000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TORREST REGOGIAGO, DI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "100ctuqui", 13,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Calbon",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Indianal", 3%.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Germany", 25,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Camaca", All.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Andahaa", 15,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Markey" " The
                                                                                 000000 Feb.
                                                                                                                                                   mask = 0x85,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           =
```

```
Serie.
                                                                                                                                                                                                             64, 32, 16, 8, 4, 2, 1):
                                                                                                                                                                                                                                      const unsigned observatil - (12).
                                                                                                                                                                                                                                                                                                                                                                   oded_in (vote)
                                                                                                                                                                                                                                                                                                                                                                                         Charge open
                                                                                                                                                                                                                                                                                                                                                                                                                                 1.602.0 0.2031
                                                                                                                                                                       peed_containt how;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ideding ingut_syte( )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       output readings controlled
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10 + (51 % 0x0F1 * 100 + (51 >> 1) '
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             bed (madenack what his, maniposed clear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 presigned for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    input_bid (void)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          THE POST STATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Callay (Los Spoak Coll tax)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VOLU
Disp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ione : one) :
                                                                                                                      assigned int
                                                                                                                                                                                                                                                                                                                        potent Climpton - 21 & CERTA 5 C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         xecura (Grp.pp + 1) & I_0( 8
                   onepot (903dR | CHOLNSER) ;
                                           delay(10):
                                                               ののはならのの記録回れて、
000000190038 | 150_88880.1
                                                                                 /* Wesset cond "/"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         while (tap--).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        dolay (1) :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            actp(gp, val).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       prof herepisch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              return (tio & GyF) + (io >> 4) *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Equ: 11 + 0: 1 < 250: 1**!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Birstial - Litestain
                                                                                                                           344
244
244
244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ang = 20061- ▼
                                                                                                                                                                                                                                                                                                                                                                                                                                                       1000 1000
                                                                                                                                                                                                                                                                                                                                                SEC. 0.15.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1000 MR3587 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           write, bit is a three greek that index!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  000000 c
                                                                                                                                                                                                                                                                                                    ISO_EESEI!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A SERVICE CARROLL OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ENDON DESCRIPTION
                                                                                                                                                                                                                                                                                                                                                                                         (1012 N T) 44 ORASI
                                       portportion.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Total (1 = 0) i = punctiates i+-) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     outpot(FOMER);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cutput (20053 | 100_38681) /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              delay(10%)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  001301-3085810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    the pallipage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           autportsower | Jeourgestio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CONTRACT | CONTRACT |
```

THE MOROE CARD TO

material (6) a

OUR DURING THOUSEN

SCOOL | SENDE LENGTRO THE PROPERTY OF THE PARTY OF THE

if olock bate to to

To illowing () all a

Strategical, websited to

COMPANIES OF THE PARTY OF

output (SCARRI) CONTRACT CANADA | CLOCKIA A select reach that an

ひにはいているのがはタイプ ののことで こというしょ BORRER BRIDE - GROOKE

PO10015015 purgue (POSIE) - 1010011011

bitsteing (consigned office wall)

A LOS DRASSION

おのないのでので、同日氏の OUTPORTFORM (COOK!) All phones page that the

Show_coliner.pergrad for twen, indicabling maximal, costones come

800

da168(10) OUTSILL DOMANT. decay(2001)

CORPORATIONS | OLOGRAD

をおけることがある。

PULCETO TO THE

のこのないの人のの出の方が、 d2107 (201) Deliber Deliber

2012/12/2017

cracio chief biflytt

120000000 44

principle acts of banks

town great the

TWO COUNTY TO A TO SERVE

OR 45, 7

CONTRACTOR STATE OF THE PROPERTY OF THE

Commence (Section)

いんのサイト マコーナ 日本の日本の日本の日本

(\$00%)) Light of the control of the

5/6 y 1 3 D CO 216

10 (verkose)

MACHINE TO LA (MAC)

wring(data[1] - 11]); j < rem(_date / 20 (**)
j * 8. Minimum_debs. (1 + Milph + 8) for (1 - 0) is a rem_cata > 5) 8 $\frac{2m}{2\pi} \frac{(n-1)^2}{(n-1)^2} \leq \frac{2m}{2\pi} \frac{(n-1)^2}{(n-1)^2} \leq \frac{2m}{2\pi} \frac{(n-1)^2}{(n-1)^2} \frac{(n-1)^2}{(n-1)^2}$ for (j + 0) j < punjcata / (4 + 1) < punjcata / production bearing to DECOMPOSITE CARACTE + 12): 2007 50.00 S0000 12 00000 SECOLOGICAL SOLD \$\$25 - Welmin's breezeway: "po. $\mathbb{D}^{n}_{t} \subseteq (AL) \times \operatorname{deg} =$ 2006. pow " bitsley(): laftyon, restal - boso, born, massel of 6d bire businesser, val, maxious: obox_whitek howegoed char mp) policy file \$5 - 1, copy and the Alexan dard doctors "cope awiner deep-atype: | water = country/could if (least - date[1]) we say!) CONTRACTOR COL 1 87 Stock better stock 100 Eventsoppi princk("%u'-%c) onics - %c units 100 (10 is in the pay (4 8) ((Macagan) at Soot proposes cool porginan-CANA OXIGO 5000 HR20 Noon - 6989(11): case Cw13: present reading the marketer. swines (detained) | wat -s pow a biteriageals DECEMBER OF BUILDING ! 11 (000 000 1) Principal Management (1975) and the factor of the factor o 1700 ACC Legge. Section (o, so, data | (_biws_bcybsd_lxerner,agsp; & oyes; show_mailerito. eo, dans show_omits(IC, ISO, cata 9707761186 (200x).486 0000 Vall: DOM H 6098 1,50, 15,000, 100, 1 2 201 - OF *_bsex_keybes(_keessat.agpby(): 92 AD H 1,7120 a a 2 "F 20000" : A CAMPAGA T Beyond . . or this is the many ingood_loggetty 15 7 ducastanda (vond) K. · Present のはいのでは、これ 010ck* . . . data (3) (c) TENERAL PROPERTY makigand obes while (II) in (verboce) unwighted char-Optoble: 41 2 M C 11 11 0000 100 White I (by = input byce;i) \$10 (SM = 1 SM) A Printing - 48 - 85 - 85 education): STREET TOWN AND ADDRESS. Dの名をとい | 10.00mm | 10 25 (NOS_8880 AN 128) 4409X: whose undersity wall date -1000 Show_chick2 (data = 80); vai a bookleataini w Cur-何とのログ・ 10年でのひょう 1 R S H P O T STATE DESCRIPTION OF STATE OF STATE STIRES("Galler show_indicate; 0, 0, cats -1 00 T T 00 5 (ON 10 CAMP) 17 11 TOWN & SPERMEN DESIGNATION 100 0 TSO_SECTO 9 54 6 05000 m なく か のはの何の マ 00 - 05TSCI/

TWO DESCRIPTION

S sa Capacinhidecals - 5000

経をかれるので、大手です。

STREET, STORY OF BUILDING

あいまない (おかない) 400 A CO C CONCLUSION.

A MOODER | ESSAGE STREET

Selaymon; のだのでした人間の名の方と PASSESSEE TOTAL by and harry a

COMPACTOR AND A

delay(15);

Calcuta ("Calc)

F 1 X F

2000 ET 8

tor (1 = 0: i < man_faray issue of

12 () inspired ()

% (8 / 1) data(1 / 8) &

printf; "-reading of

At GIOSE Mine to the

TREMOST PONEST /

contract (BUNDS | 1901 BUNDS)

1 (cd25) av

(Sacrinso) 11

ワリドリカトないであっているのか。 Withhill STEP

1. (1.14年/1982年/1982年/1982年

Output(SOME | 180_38884);

delay(10); のの大学の代で見りが何度のな endedicted and indicate

MARCHA DAILY

Considered the A MARKET COMP AN

310

4 1 (20 to 10 to 1

```
phone) at
                                                                                                                                                                                                                                                                                                                                                                                                                                                 radiciant expe, when "erquil!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             250000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     blocking.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tengch'up
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             excel [-web: (soutputtles/whi-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Udepol/9014)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                and excess next bytake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rendering.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  K000161
iril.
                                                                     E STATE
                                                                                                                                                                                                                                                                                                                      100
                                                                                                                                12
                                                                                                                                                                                           1 -
15
11
                                                                                                                                                                                                                                                      -) [vestloter | weekslosev] [-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 0150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        THE RESERVICES THE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "YELSYGNEED DESCRIPTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Your - Strable balgion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Year't commissions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LONGER BORRAGE AND LANG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "At-Parent so a coal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "COLONIA DECOMPANION DECOMPOSITION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOTAL PROVEDS CONTRACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       White Charles and Charles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (A) 1 (A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "AMERICAN BOOK BY AND THE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TO DESCRIPTION OF THE PARTY OF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C050 'A''.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4858 27:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.00 3830
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28 11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CHAP TT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CANH ST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ではあるかい
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X0000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           anders());
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            行行00万人
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            98 TH COOK!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ov 1- Establication
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        が自らを持つ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OV OF THE BROKESHOP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OV OF POSES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27年の大学
                                                                                                     Sopi_sopi = 0:
COSC + 0:
                                                          100 - NOCA)
                                                                                                                                                                      wate_card - 0:
                                                                                                                                                                                                                                                      erase rich in Or
                                                                                                                                                                                                                                                                                                                 を行いた事 なんか P 切り
```

4000

```
Benk-Ben Department,
                                                                                  vi.oktkontkon(0)opywrong 1984 by
                                                                                                                                                                                                                                                                                                                                               alon (args/0) - 11:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     attail/accept/OH at 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 120 Mill Garden 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      compliants to 10 % as 1/4 default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    pp = "unsigned int far ")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           white (argon- v 1) (
             0.000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 (-- - - [0][0]0520) 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             92G2-+:
1[0]×010×10];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100 ( Com
                                                                                                                                   CASE ASEC
                                                                                                                                                                               医骨髓 医甲基甲基
                                                                                                                                                                                                                           0.000
                                                                                                                                                                                                                                                                      1. N. 0500
                                                                                                                                                                                                                                                                                                                  . . 3. OSSO
                                                                                                                                                                                                                                                                                                                                                                                                                       0308 · d.s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGO 1811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CHAR . 6.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DESM OF S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0000 .3.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.00 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SWEED TO S
                                                                                                    SCORE C. STOCK
                                                                                                                  verbose = 1:
                                                                                                                                                  Control No.
                                                                                                                                                                                              だいままだい
                                                                                                                                                                                                                                                                                     してなるとで
                                                                                                                                                                                                                                                                                                                                                                                           Droger:
                                                                                                                                                                                                                                                                                                                                                                                                                                     17500Kg
                                                          drank.
                                                                                                                                                                                                            SELECT TO
                                                                                                                                                                                                                                        DOMEST !
                                                                                                                                                                                                                                                                                                                                PRODE
                                                                                                                                                               Lesk - 1.
                                                                                                                                                                                                                                                       とかない ロボルボー シン
                                                                                                                                                                                                                                                                                                   (with a 920
                                                                                                                                                                                                                                                                                                                                                             CYGGG USE -
                                                                                                                                                                                                                                                                                                                                                                                                        9010_0ccd - 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SCHOOL THE T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DELEX.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            G000110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIC CO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Dreaks
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0 - 5
```

```
The (Washware)
priori("seading on prioror-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        mum_data = 22 +
```

Spring 1995

```
pury Kenzand Burgaran 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OF CHANGE OF STREET AND ADDRESS OF THE PROPERTY OF THE PROPERT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           port Cotton, pp()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           white (counding) 50 [[Stos[key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            while (wate_base) so I bios_key-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            outpot (DETECT);
                                                                                                                                                                                                                                  では、これのでは、
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  while (15p(96) := 11
                                                                                                                                                                                                                                                                                                                                                                                            if (twilent)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Midd_data(real_tead);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               de1ay(201)
                                                                         DE (SETTELLES) A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     probability and a
Children (2010)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ROBELLED TO RATE OF GRATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Successed 5 5, 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    White Prof. (20) WESCO Dist.
                                                                                                                                            [[Strow | Keydod / [KBM63h] MEXICO)]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1995年 | 1995年 | 1
                                                                                                                                                                                                                                  6 T 1 T 1
                                                     .bcoc_kcybe3(_kxxraap_ seague
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           110/01/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 (Fig] $2000 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              if the important,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.0100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  52 P.S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REMODEL STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              まりまえる一個可能のひ上野野はいい
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gellay (201.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    princ_Lype();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 read_dato/Most) read():
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 of Claiments
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (applied)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMMISSION CONTRACTOR TOWNS
                                                                                                                                                                                                                                                                                                                                                                                                                                                               MORKOR (OF)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  registeridade, I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        teleserit;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MANUAL PROPERTY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 わられることにおいまったこと
```

1 e/co 1

20 (40)

PROPERTY OF

Kernery.

It (cost) (

These are the guidelines for 2600 meetings:

If We mast in a public area, Nation, is excluded. We have nothing to hide and we don't presume to judge who is worthy of alterding and who is not it law entendment havescopies, it will backline as it did at the infamous Washington DC meeting in 1992.

2) We set in a fragonesists manner, we don't do triagal things and we don't cause problems for the place we're mading in. What 2600 meetings are violedned by the establishments we choose.

3) We must on Pridays between the hours of 5 pm and 8 pm local time. While there will always be people who can't make this particular time, the same will hold true for any time or say chosen. By having all of the meetings on the same day and time, it makes it very easy to remainder, opens up the possibility for injentification communication, and really causes hat for the holder against a who want to roalor everything we do

 White meetings and rist limbed to big cases, most of them take place in large membershall areas that are easily accessible. While it's convenient to have a meeting in your home town, we accountage meeting within an hour or two of your own, go to star one rather shan have two smaller meetings torly. Seek to each other You always have the opportunity to get together with shows town hackers," any Stepte to go to meetings where they I moot people from iso wide an area as possible. So if there is a

2011 1

6) At inextings prosticontact us to let us know how things are gaing own if nothing unusual is happening. If we don't hear from your cay on a regular basis, we't have to stop publicating the site since light graphs to go to where no meeting is really chased the argone a service. You can ential to all meetings \$1500 coor or ball us at 1516, 751-2600, We also need a way of getting how in rough with your

ith 2600, we ask than these lew guidelines be abserved. Theres, ineans can have meetings and set wherever when they wish illuminer, it they reigning to be all least

Facts on ATM Carmera securit

calcinos da comuna ar Automatica Bellet Machines. Here are some facts to clear up the many mission-

confirm) of carling, industry laws on regaining video or Japan, Australia, New Zealand to name a few right into Above There are no national (U.S., Canada, Mexico, Much From ATM the a camera, as required by the

to pain the personal security in a regionly. cass) that have been implemented, but they are operat-There are speed local laws (or laws in other count-

There are no "extremy police" to decide what is "allowed". fated - they use the profiting they wast with the earners. not just in any more than they seed. They are also unneges Fortember the backing industry is obegin they do

security. If there is a respect, with cameras is in these consiste and previous senses busine magnetic meson. Their biggest loss is in final, and this is the only

Make the CAMMER Ecoupty, comit you cannot

the 18 foot dark like you to see through, the same is true Mach if there is a company you see see in if the plan-

the except sucks. They do and consistent in ATM's, Period. instance. Pinhole leases are even more expensive and lypha) open bucks, as made as the carriers in some gives for the existing term, which is expically an extended Fish operatipers (not cases, but some on subpter

for moch reflected light on your side their, so it is not used. Instead they use a copier film. You can see through just as well as the pattern, if there is no A one way missee (like manager) office type its con-

bands entering the PIN - tags would use your take. Finals The banks couldn't care less if they see your Myster Tale camera can see the entering my PON

Make the cancer can see me, and identify me

length Serve to provide 20 modes. You cannot be stoodwhen you use the ACM. This means setting the forall picked and adjusted to make your face full the section Have To get the first tragge of the transition to

in addition to the ATM camera VCR may be revealing when come as the fire same bank. "time-lapse" VCR is occupated to the names, and the First No one, no place is whething that county A Affects Semente, somephase is walking that contract

legetheses places an arranger of the out of frough

fied at 30 feet with this secong, as eather year

North VCII Mark: The MCR records arrayching, just like my

over, the seconds (every second or so multiplied by the of camera system, the ALM camera is only separated every second on so. If the ATM comers is part of a large shell recorder, and the images are therefore recorded First: The "time-lapse" WCR as basically a "scop-

soral cumper of continue)

ALICA SUGGESTION

1967 (1089) FSH (FOSE) (0.76a), 98h (0.85a)d, 128h (1.5sa), 1800 (1.8sa). 12h, 185 Jah (0.2sec), 48h (0.4sec), 12h (0,6sec), 845 NTSC: 25 (BEEN 2 & VESSE): St (VESSE):

11/2000年の出版自由の経済にあるが自由的に 72h (6 Sec), 84h (3.5see), 98h, 180h (8.8sag), 187h 1801; 20 (VHS spt. 121; 245;0 18ap); 48h;0.) 4sec)

puspusions unfails. Might. The banks review all the open looking for

that do just have them the system speciation (vii camarea work? is special date time content? massers is a date uties they are being for something slowing(). They also as weath the tape with the depile After New Year bands review limit types, and obese

search leaders of the VCR lightning all other activity for the date and time of the audit thail on the tope, using the audiovine or VETC (verteal means) time reals) Once they are likelying for wanteding they search

Works The VCR is only activated when I put in my

you crash the tape and heads). in unleaded position, and if you skey in "sell" spreads cost of them are "accepted" by the conditions is not medit from taken to get the new 15 to speed after such force The MCR3 (on 34 hours study, Only one per

sibility of coming out of take expositionably based on Sy exchange of the tayou form they do not have the pea-This airquisition for the back to just put it on a week-

that there is a problem with the occount (three or more lapse because it can take that long for them to find our They usually have 15 to 10 weeks receive of the

convenience stones however, directoral scaling to anythin some YCR's. The lambs do not one this feature. Some works in the About on supply I Compiditions speeds, or combook of ever used for godlo. Audio considing only Part: New Year YCS's our record studio. Of those Wish: The rib a minephone, recording audio

Some Childr Clandra Fords

comeras, but at a fession resolution. manneance go down in exemptions to the vidicon time devices all electronic imagers. This makes the cost and Most cameras now have CCD (charge coupled

tal; color 1/6" imagen 752x55250xds 480tocicontal zonal; calco 1/27 imager S17x490y.textx 360horizonblack and white 1/2" imager, \$12a492pixol4 \$500cm end white 112" imagen 800x300pxx2s 570toxizonsh white 2/3" imagen 21/2/49/2pisalt 3/05/wisecout; block Typical resolution for CCO currents are: Machand

State Other FOR Floor

Total and a new Stimble bower in front Name ONE OF THE PART OF Parasonic, and every re-intensignated consider VCRs in not and DCDA, Super-BETA, EARRIA

DESCRIPTION OF THE PROPERTY. At use 1500/0120 type. The 1700/160 rapes get repes fagain becomes of the ood fundamental speeds). has with type, but very the fall play year six haur somer competities 2 or 4 feed, and aim play your rec not play your encounter BETA). The early VESS deaks (BETA I A from) and have some single heads (you cansomer tages. The server VKSS-VHS dacks have one also had same angle heads, and could not play your day. The BOTA decks out at an ediffication and specif

HOUSE CHARGE LEADING they are second from the dram. The draws are good for 12 to 18 control if great age (double corted not no Types are good for about 20 to 20 parker before

\$2600. Many see RS-2020 remote controlled for year THE CHARGE SEARCH CHARGE THE REPORT The deales cost the bank between \$15 \$15(0) and \$15

3.00 price and a color 24 (horizontal) bytest resturious for MORA in which and which

installed research OCD. cation is better if you don't waser it on mying to capitadans polon Cotor condition and harborny. More process. They will maked color, but resolution and identifi-

Conners Muchs

tract professions, but they work only if the wider of black REPORT BOOK BIT IN WATER Some company have things enlication to the such onegard insides usually connected by for the bad contour. While age to corners week the say decided you. The

the lens, it cannot see you. With any grown the side. If you cannot see the phase of

region to be at the pass like with the section is got. निवास up के तीन क्यानाव सामी व निवास दिखा इतिवासि

our of fector to you... This bas the added benefit of Currente for sale collections. It'il beliefozy and

ATTACAS

From Some of the data is equipped, just a few fields Alfaha All Ma data is anapped

but not "temporary" sites as "permanent" so the fair, etc. back (ATM calls box) extraction, for emporary sees, pulse phase connections. Some are compacted via validthe links, called York Some Alfals can be used in a dial-Fact: ATMs use direct compar, publipoint, or mat-Myste Alberton daily lines.

ATTA give you mines. belief the could have the bradem line and make the

(Spikelly SOLCISNA, BISYNC, or sayed Refusation). packet, so you would need by "become" she has after tilike jaarenala oschange message auseliera with each And: The reason on the grand scale is proregol

> request, assuminity in the case project excepting sequence, based on the property request from the least your withdraway equippe the bearing the expenses "right pae", got the ATM to

" Small") four acceptable would be the unit trail spinorary. The last judgments approved for the request Office I gave role observed those \$20% and a \$100°. The eliminary for the hos to "rell" the ATM to

Some Other ATM Farry

Automatic or proof to be enabled by the bost veck, when you restore the line, readmention and buif the service key was alread. Depositing on the get-If you discounted the limb for ATM shots down as

approval for tenk oward appoints only typically. The Court on the next of and the self-sent bands closed communicating with the host sea gyerter, so an execut II those that speak of accessing the ALM when it is not

like arg other value the ended up diagons it for about two Workst, they favo been blewn up (enough flowe to just them also I have seen them shapped off of walks with row counts leasts the easily. They have however been coulded just No processors casily go the the back of the ATM

ing out the bole in the wall. "Boxally, they are just attached to the floor, such

US \$20 to a machine that have two birts, but usually they and a music blown decemberations. Cash on hand is less than US \$706 help leaded with

sected from "warfanger" pring. the feed emotivation book in, so when looked, steples rwo legs even after the wealth repensel. The bing being are the looked and then be ked into the machine (note). The reach fries book lake rate amountified cases, and

Instead. It is just possed into a applications him If a earl is deplaced, it is not "cover, manched, or

specifical into the muching for centers; the involving owner do this. The deposit envelopes are proved with the audit trail as they are The deposit at velopes are checked only by Europe's

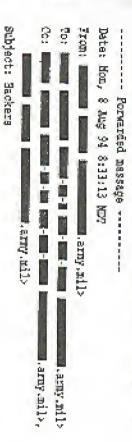
constructed as we write this. Stay letters@2600.com - to solid usignifetter antides@2600.com - ito subfirit on article. 2600.86600.com - it you just want to saly tri Our new Internet site is being take note of these new addresses: tuned for details on how it will change your life. In the meantime, please

11950: If you believe a tax is safe from prying pend hoted, you can call us at (516) 751-7600. The drove is yours. you actually believe your phone calls E)OS (00 (lax number is (516) 474-2677, And II 18 812000, PO Box 59, Middle Island, NY the net and have feith in the U.S. mail, write to addines - 2600@wellsf.caus; if you don't rost and in case things go away, keep our old

Spring 1995

Spring 1995

h.o.p.e. scares away military



I'm writing to tell you that the First U.S. Macker Congress is meating in New York on August 13 and 14. Groups like the Chaos computer Club, Mack-Tic, and Ebrack will all be in New York doing what they do best (breaking into systems and yours is a prime candidate). The problem is even with the added security measures that have been taken on the network at WSMR, the backers can still get into the system. When the smiffer program intercepted the passwords on the network the hackers built a dictionary from those passwords, this makes the systems on the network more vulnerable to attack (i.e. people tend to use the same type of password). The best advice I can give you on this matter is to take the MSMR network off the Internet (milnet) for the weakens.

One of the Computer Scientists that should be executed.



Perhaps it would be a good idea to take
White Sands Missile Range off the
Internet altogether.



2600 Magazine .

Spring 1995



by Thomas Icom HRG/Cybertek

In order to understand the techniques detailed in this entitle, a basic knowledge of cellular telephony is required. Instead of releashing what has already been written, those in nood of the required education should refer to a good g-file on cellular telephony. The onesy written by Brian Obliviou/RDT or floothey are recommended by the author as well as Damien Thom's articles from Naw and folds magazine, and the numerous articles that have appeared in 2000. They should be considered required reading at this point.

Introduction

Meshoot problems. Ner does it apply to the considered the responsibility of the builder. should be obvious. Kits are also exempt obviously used the equipment to troufrom this mandate, as Part 15 compliance is phones themselves, for reasons which nicians working in the collular industry does not apply to "test equiposent" as teahare "beacity modifiable" to receive collular this country) to "searning receiveds" which (which is required to sell radio equipment in Commission deny Part 15 carefraction dates that the Federal Communications rant-sponsored surveillance. It also manband forquency convertors. This mandage telephony communications and 800 Mhz bleshooting, interference tracking, or warmg of cellular tolephony communications except for network testing, equipment from Act of 1986 (ECIA) prohibits the assentan-The Electronic Communications Privacy

So far, the response of the courts has been mixed in regard to enforcement of the ECPA. In 1926, the U.S. Department of Justice stated that they would not enforce

the faw, as doing so would be impassible. This was back in 1986 with an administration that the sale tack in 1986 with an administration that the sale takes not exist anymore. The correst administration might be a little base enhightenest in regard to freedom of the sinwayes. (They comintly are in regard to some offer freedoms.) Some judges have held that since cellular relegheny occurs over the allowers, there is no "reasonable exponention of privacy". Others have maintained an opposite viewpoint, None of the judges with the former viewpoint have gone so far as to declare the ECPA and and wold.

From a practical standipolical despite whatever laws may be on the books, if it goes out over the airwaves one might as well shour it from a mortiop. Successful interception of uncarrypted cellular relephane unarry other form of action communications is undetectable and requires only a basic level of technical expertise.

A Brolletic Appraisal of Cellular Phone Security

It should go without saying that any unencrypted RF transmission is naturally unscoured. ECPA notwithstanding. With that in unitd, even though your cellular phone conversation is being sent out for anyone to intercept and listen to, there are a few other factors.

The design of the collutar phone system doesn't give it half the range of the old IMTS system had a measimum range of 50-75 miles whereas a cell site might have an absolute maximum 20 mile range in a rietal area where the cell sites aren't that alone tegether. In an urban area, a cell site could have a range of low share wife. The deceased range means less potential listeners.

The cell site is capable of adjusting its

power sutput and the power output of a phone in relation to its proximity to the cell site. This can be as low as 30 milliwates. What this means is that if one is close to a cell site, their signal's range will be decreased.

Seamers capable of 800 Mbz coception are still considered "high-end" pieces of equipment and therefore are generally purchased by serious menitoring enthusiases. Among said enthusiasts, collular is not considered a piopular listening item, as they feel that 90 percent of the communications are "boring"; and the continuous nature of cellular transcriptions lock up the scenner and make it vortiless for listening to anything else.

With 852 chipmels and many different conversations to choose afrom: a quick, innecesses sampling call will probe the government afroign the drop tollows speckbookers, and besidency systems that if fight the collular arrivages.

All things accessed and, unjust, the phone's MIN is lieged by some retem or the cell sign being usotalist fleeged, the chances that expent cellulat, will be fight the area are sing. If the negrithers distributed are sing. If the negrither statistically should evaluate the solution listeners will either votations, potential listeners will either votations, potential listeners will either their briefly and go on to find a "less borning" conversation. If the phone's MIN is flagged, for the cell site being used is flagged, then expect the conversation to be marrianed.

Chage Analysis

Calfular phones are used by anyone who feels they need instant phone communications despite their location, and can afferd to have it. While this includes a lot of upper class housewives, yugaies, and corporate exceptive warmanes, there are some more infectating users.

Political organizations make use of cellular phone continuousitions. The Democrats much extensive use of cellular phones dur-

ing their last national convention. On the other hand, the Republicans were smart and barned the use of cellular phones in their national convention.

Pulce agencies are another cellular orac, using them on the assumption that observations are a little more private than over their radio system. The NYPD uses them for non-emergency communications in their Precinct-Activated Response Pougram, and for their highway cellberos.

The various departments of transportation and public works departments also use cellular. Their highway radio advisory systems operating on 530 and 1610 Khz and often equipped with cellular phonos for remote programming.

Fig. Market verifors are maring Veriforne systems with collecter phones in order to be able to validate Colling and the Colling while workings show The Veriforne systems are marically, 100/1200 bandan, don.

Metry system companies are maing alone systems to collular public for use as a secondary (proven primary to a comple used thears of evantualization between the alone system at the customer's site and the control section.

Recently: the Metho-North continuer rail service in the New York City memopolism area stated offering public phone service on their trains. These phones use the cellular phone network.

As one can see, the use of cellular phones has come a long way from some yupper calling his wafe to say hell to saying at the office late, and then calling his mistors immediately afterwards to tell hor what hard to meet him at Those who like to listed to meet him at Those who like to listed to meet him at Those who like to listed to meet him at Those who like to listed to meet him at those showever will be relieved to know that such conversations still court over the free and open airways despite all the other activity.

Equipment Availability

pieces of surveillance equipment sold to

faw enforcement agencies (the Harris Corporation's "Triggerfish" being a prime example), there exist other types of equipment which can be used for interception of cellular telephony. Even if such a specific cellular telephony. Even if such a specific telephony. Even if such a specific MENTESN pair is required, the technical specifications of the cellular phone retrack are publicly available so any component to the the required job. An intercept station can be put together for about one-touch the cost asked for by "law enforcement supplices" and "spy sheps".

Despite the ICPA, receivers capable of cocciving cellular still abound. Readily modifiable scanning receivers made before the Part 15 revision are grandfathered and the existing stock may still be 6000 Wince those until sec "high-end" receives and pricode accordingly, they are full on the chalf shifting to sold.

modification is available short of burning a or below the test frequencies and receive hand. From there one can then tune above quencies are within the cellular phone or, a code sequence which can be catered the entire collular phone band diagnostic purposes. Some of these test frounto the sammer's mentory character for into the keypad that leads test frequencies new ROM for the scanner. There is knowngranting in the seamer's ROM, so no It last frequencies are looked out we the porone approach on their new models. The celable". One manufacturer has taken a differsoldering of matriple surface-mount ification involving the desoldering and recomplicated procedure. Apparently, and oumodifiable via a seadconsty decaded and Part 15 Regulations denies certification to devices isn't considered "resdily medifi-Kell single the Party of revision the open Someof the newscampers put on the mar-"readily enveloped scanning massers". The specime wording of the see FCC

Most scanners that have 300 Mnz capability will receive the cellular phone band via the image method. Due to the design of

the receiver a seasoner will receive a signal at "twice the intermediate frequency (IF) above the actual frequency. Most seasoners have an IF of 10.7 Mhz, so one is able to fisten to collular by listening 21.4 Mhz, above the cellular frequencies. If the signal is adequately strong it will also be able to be received 10.7 Mhz (of whatever the seasoner's IF is) below the actual frequency.

Obviously, collular phonos are exemption this regulation. Collular phonos can usually be put into a diagnostic mode that terms them into a standard receiver/hans-rulter in order to be more easily tested during the troubleshooting/repairing precess. The Oki 500 and Oki 1150 (also known as the AT&T 3730 and AT&T 4740 respectively), have software available for them 1864 Network Wizards that will enable it to the supposition MIN.

MIN tracking can also be done with the GCS DDI (Digital Dijia the registry). Quity if we share of the DDI are unable to read-reverse elected claimet ESN days in an afterport to proper collular proper fraud. They will still flowever, read-she forward control channel date. When seed with an order from B.T.007100 receiver, the DDI will aluminate ally state after from P.DDI will aluminate ally state after from the deconversation.

Scanner frequency enewerter kits that chable noti-200 Mhz depable seating cellutioned to receive the 800 Mhz band (analyzing cellution) are still being sold. One can also make at 200 Mhz frequency converter out of an obsititiff TV timer that covers TV channels 70-87 - which are now the 800 Mhz band.

The Optoelectronics R10 pear field receiver is a device which looks for nearby radio signals between 25 Mbs and 2 Gbs and automatically times then in, it will also display the received signal strength and frequency deviation. It is plassified by the FCC as a piope of test equipment (if one sets to get close enough to a cell site or an in-use collular phone, the R10 would lock in to the signals from the trunsmitter in question. If one is nontaining a mobile unit question if one is nontaining a mobile unit which is handed off to growher cell site, the

Spring 1995

seconds. By adding the optional cellular entire 25 Mhz to 2 Ghz coverage in two as it is capable of searching through its also rejecting unwarded signals from out-R10s effective range can be increased while side the pelichar relighbone band. timed to the collidar frequency stage, the bandpass filter and/or attacking on antenna

OS456 interface and will autopassay. ter, amphilier, and/or collular gratenes. The could be increased by using a standards fildiscovered that using the singlified relescopup, and can send data on frequency againsts or to whatever frequency the Scott picks eating features, it is equipped with air for SIGINT operations. Among other polar-Optivelectronics Scott which %34 inboded from a range of 30 feet. I'm 動物 the swife phone running with a 5/8 waye antenna ing whip antenna, it will look on a 5 watt mented with the Radio Stock unit, I have piece of equipment. After having experi-"yeartion-tune" un OS456-equipod teteta-Rolls Royce of frequency cosmers is the Frequency countors are also a useful

needed if one desires to use the DEC on about adjoining cell sites). control channel, and trading intermation ing what voice channals correspond to whith (converting frequencies to channels, fingle Manager software for reference purposes have a copy of Video Virshuator's College, Network Wizerds Oki Kit. One should alkey A laptop or palettop PC will assa be

Interception Techniques

is to program the upper and lower hours of halfy listening to communications to deterthat searches at 25 obstances per second, a through all 832 channels. With a scantor memories and use the search function to go the cellular bend into a scanner's search mine if they contain relative centent. This 33.28 seconds, not counting time spent miconglete search would technically take The most common intercept technique

R10 is able to quickly reacquire the signal, | technique is adequate for highly-populated urban regions where there are a large numto reacquire a target when it is handed off to uxx处 It is also difficult with this technique as only a small fraction of the channels we area this technique wastes too much time, area. In a lesser-urban, suburban, or rural ber of frequency groups used for a given another cell site.

shown on the number of frequencies that equentions (equal to 10 cell sites in most only handles 20 voice channels. So, if one tions into a scanner, flack control obsaniel quencies being used in the area of operaesent coverage. areas), that's only 200 channels that have to has 10 control channels in their area of be monitored. This technique will out have to checked, and allow for more effi-A berter approach is to program the fre-

Pemployed. Typically, the control channel is , then he identified and techniques designed a light for conversations is noted, the tailest can 人間質数で変数的utled the data stream can be to be signed at a specific target can be being used by the target. Once the control pon-specific resoldoring. Once an "addressstigm of the target on the network. The surject during handotts and easer seguihttp://pgid.which enables entire reaching of determined by noting the voice channel Those techniques are generally used for

leatingories. The first is a target with a known MIN. The second is a ranget which using a cellplar phone. has been visually acquired and noted to be Target specific monturing fells into two

The total of chesice would be an Old phone activity meeting the target at the MTSO quent, or in the case of court-approved mont and being in the same general area as various areas the target is known to inmaintain multiple discoing posts in the the surveitlance technician would have to with munitoring. If such was the case, then area, one will have increased difficulty the target. If the target travels over a wide erally a master of having the right equip-Tracking a known specific MIN is gen-

> unit hooked up to an elder leers Re-70007100

ustil the conversation is reasonired. This ger's voice, one can also manually scan will, however, result in losing part of the through adjoining cell site frequencies If one is on a budget and knows the ter-

a frequency counter. Once that is accounchannel frequency being used by means of channel. As the target moves from cell site plished, the rest is easy. The forward chanuces us, one can determine the reverse two separate receivers to the forward and The ultimate would be an Optoelectronics to cell site, the frequency courses would nol operates 45 MHz above the reverse reverse voice changels. PC which would then automatically 對於 Sport sending frequency information of indicate changes in operating frequency, For a target that one has visual acquisi-

can be a problem if one's receiver the pe mobile on the forward voice change likes. conversation: the landing felding as the ranges is using a hands-free uplikehate adil reverse voice channel audio (firigus called) by or if one is too far eway from the target. coverse voice chemnel monitoring capabilis The result is that one will convened that the be no talk-around so as to awar readback. telk-around or side-tode). If, however, the ward voice channel will also repeat the Under normal circumstances, 158 for-

cellular provisions of the ECPA is virtually identification of perpetrators violating the enyone. From a practical standpoint the sexual activity, but I don't see that stopping allegal. Then again, so are certain types of as he goes about his/hor business. Yes, it is tions and be able to track the phone's user can tisten in on cellular phone conversaprepossible. For the cost of a good VCR or TV, one

We all know that a law isn't going to

with the appropriate software, or the DBI | step people front listening to radio executivenicetions. Various totaliturium states have of cellular phoses are suisted into thinking can listen in. It's illegal." As a result, users success. Nevertheless, the retailers of celluization by a very small minority of individsay things which open them up to victimpotential customers with the lie of "No one used deoughout motiem history with no Chis ending(WS)Chic Soon in order to find potential marks. I don't see uals who morally collular communications would be over their home phane. They then lastelephone equipment continue to placate their conversations are as secure as they

perhaps we should pass a law banning the information the chief in comain miscreauts everybody from doing. cisalia from talking about muniters, drunk what they say ever the air ben't polyace at all. who are cellular phones to the fact that might beings, but I've also clued in people who might go out and do just that. This ent things that we'd like to discourage diving and a whole other how of unpleastables about something encourages it, then To show that is a second of the state of the Some raight argue that by providing this

White I think so.

Martin Chis proton Thanks go to thereis S. for his assistance

References and Sources

- Oblivion/Restricted Data Transmissions 1, "Calluder Telephony" (2-file), by Briest
- any deceminalist systems. 2. "Collular Secrets" (g-file), by Bootley The above galiles should be available on
- The New Mobile Telephone System by Stan Prentiss, TAB Books Introducing Collabor Communications.
- Park, CA 94026 4. Network Wittends, POB 343, Menlo Sells Oli Esperimentura Kit.
- Sells DDI (Digital Date Interpretar).

5, CCS, POB 11191, Milwanket,

More Bookstore Fun

Dest 2600

I recently come across your magazine in a local bookstore while bookstop in the rean. I had brazed of 2600, but it never expected to see it in a starte. It was hidden of I too back with other magazine with a flag use threather background. The lady at the expision had not idea what the magazine was about, but when I had her she responded with. "Well, but I too a great itting to consoling?" She flag of proposed with. "Well, but I too a great itting to consoling?" She flag of proposed upsafet had beeing show the proposed with a starte, it is simply as an about to large a great in a called the second proposed upsafet had beeing better that the proposed to the starte, it is simply a see a second proposed to the second proposed to

The second of the second secon

Piracy Proposal

I need the Springs Marks were strong magazine with great interest. It as never seen your strong when Marks but when I sound it for sale in a computer brookstone should greatern mail. I percondition easist

I found the untible weighted Rency Another View' by Richerto Versols extremely thought proposing. According to Versols if a compact responds memory undertice somethings a program, they lose conting to beging people plant () the weight as the piness "have not deput () the weight as the piness "have not deput () the conting the condition are of the propose. We says that the "their somethic and property. It is not in the propose when the description of the sufficient different from the colour of shelps and noticely in the pinesy."

Livier, therefore, and the following present of ections:

If am going to kell-Versola's stable in older highlance, midding to see sever, and keep all and any profits ensuing theodoton. According to Versola, inching life wook "piraty" and "task" of interface of property versors in the profits of interface in property versors in the composition of a stable of the profit in corpical property writes. "One can you be solitable to you and give things there was dear one should have more than what you started with? How can so dearly a good fidered if we can also keep it for ourselves?" Poll, I assume that Versola has reade all the money be expected to make from the article, on if he gives the article away to make it should not have some that I started with as some as other negations paying to have enter than what I started with as some sother negations paying to have enter than what I started with as some sother negations paying to have entered to a shall started with as

If Here I'm making a small exclimation, namely four callidatily, you agree with Vermila's views (you come printmodists amout therefore, I have decided or run off those risk of captes of your magazines and give them way for free, asking reasons to reinhance or only for the assist making features to reinhance or broads, "It inight by changed with violating the captight or promilews of a country", he also feet that I will be doing mith up morally among I capt believe you would by to prosecute me for the Learning my convolence and doing nothing the providers as a country in processing stage of the providers and country appropriate acts of the providers and country to process on the form of the Learning my convolence and doing outside you account to the providers and providers and account to the providers and providers as a country of the providers and providers and providers and account to the providers and the providers and the providers and the providers and providers and the providers and providers and the providers are also and the providers and the provider

Second than expyring a computer paragram and, if so, book

Deveed Shocker

(2) above, you're going to have to desirbe if copying a magazine is dif-

Israel

the designation of the Booking arriver because afficiencial segment in the sciencesting our magazine has been the same times our incognition in a かのあるていくこのなるのではないのはままなながら、これがあることのことのことなってある とおおれているとはいるのでしたことはいるとはないもののならいまであるというできること おからないので、これを変ななからないでははなるないであるかっている。 であるという estados. The genicio dessi veid de free distribusión of a popular. We investigate some of a popular. en is more universal their permission is even more of an afficience at the hookpudeo of whicing in the first priors. And for summant once so restall searcha "ligarating file" would be selfall, uniquitatic and contract to the purthe agreed of the product, and promisely concerns to the first property of record when The second and a contract to a second second second and a second by the autified by due test asserted, you are not along to pour distilling. He the Le version of a chart weight of a second control of a control of the seation, flacted, and, All for the sales of spreading information, not institute make TO THE TOTAL THE LETTE OF HEAVY HAS BEENED IN TO YOU AS THE THE TOTAL control free exchange of informations will be over terminal propositionals It moved by difficult to make the distance that per missed the point

Eustern Europe Scene

I really dron't helieve it's least 199 year since I subscribed to 2600. We'll, as you Americans say, "Time files when you've having Jim." We'll. I don't really want to waste your files writing any has I really wanted to chack you for doing such a great 193 will your magazine.

I'm Ralgarian by utigin be: I'd winker and lived in Hungary for more than five years now. I sected doing computes eleven years again. You guys can't even integrine what if You have an any time. The most expiring moment was when I sat in Joyle of a real Macientosh (though the Communic region, there were absolutely to Mage in Eastern Europe). There's still a term level - the problem in heatern Europe is the lack of

good equipment. Can you believe that the Internet connection between Hungary and the outside world is a falkbox line? Have you ever used Musaic together with a few hundred other users on a fak line? Bonds

I would like to expressing appreciation for having me as a subscriber (I acceived this year) magazine for fice as an Eastern European gab-scriber). I'm outdoor if there are other Bassert European subscribers and what their opinion on 2000 is:

The MacMan

Por Mily Petron Division with 1/8 entry Medicino scriptions to paradic in Scribera Kurayae who write that the paradic filters the bibble vita makes a dylforeness

Locked Up

Down 2000:

There looks as federal prison for regard across 6 rive I was constact by the Secret Secret for placing a phone ASMs in a Connection shopping and Particle, the ATM was now. If all Projects connect it to a new Secret Secret

I never knew your magazine was smill the Deflow stending to fail. Maybe it was far the best - I praintably approach against myself to invest toolble - you have great smides, it takes the Deflor my high school and explose dwys Officer years ago when I diged proach the 1960-10 and Officer).

Testion and second in social articles (BudSuper of Fristers (DOP) of major Style on they do exceptioned one to keep the form year publication 4 first by the a thend photograph store and issues and isopic along 5.5% (Original protection to practice of the disputer copies in This source copy and southly mail more had substitute.)

A world (1981 of 6) substruction. If your wave-structions to be with the Sector Sector, actually acquisitable stip. (Nothing you say will bely your livery food on in made to work to wave it, and made on each of his result of the stip.) It is not substructed by the stip of the stip

The Sound Storica promised everything they could to got all the copies of my Allet activate along with the message protects said tochnical manuals on the ATMs. They tidn't want that shit on the sproats. When they brought they half everything they wanted, the U.S. Arterney's Office protected with the faciling and that this came out. Don't any added foremy. Yes '11 and they like the protected with the faciling and that this came out. Don't any added foremy. Yes '11 against 11 day.

ATM Bandi

Spring 1995

2600 Мадахия

was passe their bird housing to this hind of warpesperience. Many of us read about your ATM phonon serving it up and rading people's money tation is one of the hardest challenges hackers "back" in the payers - while the idea was gains learned and over that even more wall still have to This is a valuable leason a lot of people have

judge it by a single issue I wish to have written issue of 2506, with which I am impressed. I can't communicate with if anyone out there in me printects and type in recessages in friends t reading, but I have no one to advisor it for man writing to give one an internet e-mail account correspondence with someone out these who is information in 2600, although I can't needly will pass. I would roully like to see more internal 1991, and have exactly edo year to go. This too Jodepal custody at this time, have been since Optify on his release from the Bols. I am am in would like an extend a big congest to Poliber December issue of Detect. Linow have the fall the real world would into so posist me in this way, All I would require of this individual is to send There is inforcation on the net I would like to respond is a furnie issue and I will write to you I nationally read about your magazine in the

enjoyed it - a rose test of the First Assendators! the opportunity to read 260% I very tenich Today, for the first time in five years I had

past employment with Bell, I find myself being blamed by the U.S. Bursep of Prisons for every (solitary) regulate bigach of their ETS system and perlinte the helb Unfortunately fram confined, Bosonse of my

pet and into the bole and word beywire - of course unities an XT to the BOP maintisane), they again Ring woods program in "Sectry" (this program Even when a godf member lest his lighten

The Cryptic Enignosticator

Bits of Info

Dear 2000

any number and YYYY are the last four digits. The 303 ringback is 99X-YYYY where X is

Zeek (Major) Colorade

Parez 2500:

of answering the phone with a quiet "helia" year speak fairly loadly. The gotton into the habit using predictive diators (Letters, Summer 94, page 42). The volume sensitivity is usually so so Elements can been it, but not like sales mon. that it would poorgaine that you answored unless There's a simple way to avoid telemerisates

Skimmer

Cambridge, Ma

Digital Correction

combinations or you could buy a cheap chemimeric destructors long". There are data "key" is that the combination "is always five alphantoout Southeast Asia. The error that was published describes a Digital lock, made by the "Lockey" (Winter 1995-94) and Englished as error. Page 58 it on the keys, wait libration be opened and chook est that is visible under otheriods light, spread sould continue to plod your way through all the to six alphanumeric characters long. So you tumblers that could render the combination four company. They induced are defficult to find in the Dear 2600: U.S., however Goy are quite common Grough-Lipse finished reading a friend's 2600

Intercept Tones

restrictions). these sones allow Bell switches to automatically end up keeping (like productivity stem of their you get to wondering what statistics they walky think of how analy suppliested do this every day. the load beapping tents (0dBsp vs. nortis) seconding to trigger, followed after a minute by This causes the "time allotted for disling" when they're reprogramming the local switch. phone oil book for extended lengths of times installers in action sed they rectinely take a track statistics of what paroons of calls do not go Technical journal in our company library that langer in service"): I read in a very old Bell procede "the princher you have district is no mentioned in the Scenarar 94 issue (the tones that tited of bearing it so they todast a con-content through. However, I have seen the phone number just to get rid of the hrapping. If you 20dBm). After several cycles of this, they get A use for those "lexpoint intrough" totals Soutt .

Buena Park, CA

majority of intercepted numbers (out of service, to these withour numbers, where next the test. disconnected, or charged) sever hang up! For What's really amounts is the fact that the wast

Monitoring Mail

them all, including the neighbors which the 14 buildings. For example, my city has several poing (Augmen 1994) are understandsbite, Bot overthese places, with only two digits to represent ere, after all, usually more than 100 post boxes in the delivery points for the required number of does not code for the individual "anh-addresses" stated. The surveillance he anxistions would not reassigning the whole area's ziphri codes. There sub-addresses probable numeral system without dreds of individuals. It is barely feasible to code inside. Thus the same postal code applies to but? delivery point is only their steed address, and bar ordes I decoded for their indicate that the use mailing centers which offer post boxes. The work with most post ion, services or sparament Parancia § coocerns regarding mail coories.

unique +4 codes changes. If a block of 600 k were separated by 80 intersecting stoot, the two subsets would have progress from one bundled to the next, the code the odd side of the street. Each time the numbers its own +4 codes, one for the even and one for was that each block of boose numbers has two of The word I got from my helpful post office

1993 was \$125 the addresses in your decibese and standardize database fermal compatible with Apple from Semaphore Corp. at (406) 688-9200, in a them for a discount in balk madings. The price in Hypertuct. The product is designed to clean up A list of all the 44 codes can be obtained

Red Box Problem

didn't change the bex of the tones. But now, I have a couple of questions to not Rosently I zige and have always runed to it for advice. Now operator comes on the line. I'll be in the middle built a red box. It worked great for a while. Then whitever I my and use the box on a phone, an for some unknown reason, it stopped working) I I have been an avid fallower of your maps-

of playing the most and ail of a suddon higher other guestion - white are the chances of getting "This is AT&T. How may I had you'll What caught while using extenders? I've been using a changed. What are the chances of indigetting local one for a while new and policing has happened? I live in the 700 sees odde. I have one

able if you get the same results reproduce of MOVED AND POSICIO niey have insportably part in three effort to much depends on have blesset you are - phose compabut the symmet its for senting cought, this really ternation, your their elegatify that I good enough its detaction of aid box tower exists and more felt-Marches and software sportable are marking

Decr 2600:

got me into the diagnostic chade. When you try sounds and president to normal. on use the diagnostic words it makes some which tion where the woods are underlisted affew times sarour, pad rhing). Pressing the sector on the horaround with one of the ATMs (with a leach While at any local Citibank I was playing

Zimbater

Elushing, NY

Keep experimenting and you'll find it. the world, these mass for a proper way to use it. Upon have or fact stambled upon a diagnos-

True Hackers

published, but are very glad that it is. The Winter puter mager i cidn's think it was oven still being tion for years (your mag has been referenced in say that 2600 is everything everyone said it is. Darnes and Nelvie Baokstore. I was almost 1594-95 issue is only my sprond copy, but I must I have only acceptly sequired it chrough our new hundreds of text files on backing and phreaking). shoulded to see it on the same shelf as the once-Airhough I have known about your publica-

is the type of "hacker" that gives us all a bad repemsing that hard drive and collecting a virus. It Highland, CA was nothing but destructive by decreasing data or insecting viruses. A note hook would never think of doing such a stupid thing as cration and pisses of the media. A rese backer tons on destructive hacking and phreaking. If of mentioned issue, I was happy to bear your opin-In reference to several letters in the above

Spring 1995 ...

Edison Corter

Mystery Computer

attacher eight to con digits and it, the system tem responds with "password". After entering entering eight to ten digits and hitting it, the sys-The number is \$61 -0200. what this is? DEPAC computer for includion? responds such "passeode invalid". Any ideas accessed and used by loads tree exists. After whose you've calling from it is not a digitage this and produce number probably very depending on an inclusing variation of "logic". Also, the poor of the less thangin." My guess is that "largin" is be investigated and prospected to the full extend compliant system. Any ensutherized access will At the a computer. The parameter whose growing 1938. "Part 3, Module 1. Notice: This is a pression Pacific Rell employees about have their own While exploring these \$11 markets, I came vesce mail numbers with disl our capabilities! actor nambors for special offices, and some printed on people's phone hills to cell in live other area codes outside California, Negy of the billing quastions, etc. Enwover, there are many numbers are assigned to Castomer Service and and most (1003018, and are not distable from bers are always rolf feed, even from payphones when I died Osan Soon Los Angeles. These numnorthern Cadifornia and some reach Sac Diego California since some of the numbers goods profits for facin company phone numbers - 811 which I think is distable from all ages codes in Hors in California, Facility Bell takes a special

William Tell

Talen employee would have access to a "head" order that it's semething phone equipmen would de for the purpose of the general He can emprise comparison propagation of the your "logics". use white our the resul since turnselly every other The "larger" you have is no simile a stronge

> accentrate d'agre o cécse oper car che mest repotamente who waste or jour phone.

Source of Income

the mail. This got the thinking - how could she haven't seen any white valle parked outside my reads and the other for \$2,000 Sive been doing trans, I discord two phases in the result one so use ning to think that the phecks would notice got an and said that (reached to insect \$2.70. Then I Etis for about six mostles off and on and so for I some story that I told the other (paratest About hung up and called the operance and told him the was calkag from California). The message paper her in Washington without insuring money (I nigge sew I specia that about passing about 1 was begin pNone? So about 65 indicates later Featlest a nonpareinty knew hew much money I put in the then bappily said she would send me a check in the operator and told her what happened, See to sales I diffe I get my queries bate 36.1 catter ber the line just went dead. This pissed not all my could but as sourcias I had decled the lags pagemake a call. I deposited a coin and misd to reake Recordly I was at a psychone and I newforth

Santa Rosa, CA

The never see the whole new until his own

Strange Numbers

unlisted number, it decided to give it a call to see address of the person you seed if to even if their Whoden estably and how it would tell you the gops in the database - like the whole state of know it, the article was right about there being if I could send myself a cooling. Wouldn't you phose number was unbeact. Since I have an de abone the 800 dumber for the Briese of 2600 and level every page. I read the news one-I just picked up the Accomm 1994 issue of

satisfyches; hang up and call \$15 or cell 1-800charge has been added to your bull if this is an your phone has been upaced and a \$1 (4) sources. turns out that when you diad 1157 year get a of believ sudment test off; eyes out sudmoorn fourth number was dislock it started to ring. In when the minglest 115742 came up. After the trying to aind an ANAC number for my area Last tight I was scanning six digit numbers

> S82-8665 to have the charge numered." is this before they call, will it disable the feature? some form of caller ID? And it a caller dials %?

not been in from marking (*69) on Repair (*64) (*66) care use *37, *50 kells Agreement appear to features the Cell Remove charge farange their Annoyance Call Busses the teles to make more y from harmaing calls. By lans that are required to trace these calls without is accomplish anything and is a given may for 457. This phase company "france" really doesby Balang 1137 is the summer of you had shaled will be a filt existing What you be consequing to совлест ули не'й а Естан, за Голдіне је зару Be he midd the Monar of Bindson name for non-

New Technology

ter that is able to send increases over the Aighs (Cigital petitular) necessors. fiam osing a sigail, ballocy powered corolamica-The Acting you fram a cofe in 2sto Atto, CA.

Compassive, ACH, Blodipy, and just about anyode also with inter-networked quality only messages with folks on the Intenton, Magac Cap software. I can send receive ASCIIsend integes and sound to anyone accuring the ating system and will cost less than a laptop, can This device, which can the Magic Cap open

net, sell phone or digital modern and experstôved. I colourego 2669 readers to get a solodigital orificial communications that need to be These are many open security questions in

Conscientions Trashers

Here is a copy of 8 Secent we sent to NYNEX. "To Priorit It May Concern at NYMEXC

ontinery landfill fooder. " shocked to discrear the automit of recyclable and reasolds materials that were being discorded as hal office and switch dumpaters and were "We were recently going through eactein con-

Dunkini Donots wrappers. These on whopes can Approximately feetily foot away from this parinstead of thrown in ordinary trash. organis contained in them should be provided casely be sensed for new files, and the discarded cavelages mixed to with the callies grounds and "For instance: Lundreds of known maight

Ticular switch's dumpater is a tage peopeling bin. minum, and glass, which is consistently outly. with containers for paper, plastic, can board, alu-

you can see the advantages of acoperating anymystico Deir part to belp stop this growing travit ways because as we all know, the readia is indeed écosponsible environmental crimes, but we chick are the largest contributors to this operwaste, and every year! The corporations such as yourselves of tens of recycleble enserteds to the language "Corporations and incividuals send rollions "Re realize we can't casedly boyout you for

"Teams you for your careful thought and each

there were, just to be responsible storagels.

a powerful took lits not hise we're asking you to

lower takes or agolding (alchough that would be

"Backers for a Cleaner Planet"

Satellite Theory

Diagr 25000

Chattheation for Yours. page who then know what to addp, including from the register to the dighes to the engin comutilizarheadquarters. A list of punchases gwas sidiaries of Japan companies, they're probably es alep his level food stores are possibly/probain Automo 1994 fueners - the limbs satelitie dishusing the dislate to transmit sales to the control by the inventory. If they're chain spares or sub-About Albertar from Pt. Phassan Beach, NI

through white or soldier dishes. If you went to ing. Not just food stores do this, rapel high voltion, and interespong that their there getting into the compoters at a particular 1969do mis, I can't could being, but 18 recognized much chains have automated assentiony control when you're having, are just where you're buyber can postately out in and getten exact his rel Anyone with your sould or debit card numb-

Daughter of a Salellite Englacer

A Fun Project

Dear 2680:

beautification, I do have a suggestion for anyincluded in an article in a magnatine of this other knowledge, nathing difficult enough to be article demonstrated basis DOS and Window ray first issue and it's green. My one gripe, how-1994 2600 and Later train impressed 1286 hard opition, most of the information set forth in this over, was the suitable "Speaking Windows". In my abelit yeur magazine e luge time aga but the sis I got a friend to buy one a page of the Automi

3600 Magazine

file.exc). I always have fun changing the color and then delete smith, making it impossible to the winding trauthen getting old of strick and winscheme to something tike her dog stand making change them book (100); will also delete wirefor of stones will make their windows files +13 disk with you, keep a cupy of attributes on it. A one who might by these tips: If you do bring a

Quasinym

Mystery Number

of your number introped by *5. Ever heard of es with the number you called from. I cried this the Course section with the Made Chemistry Section desired from three different lines with the same results. repeated over and even It consists of the followaround here is what I found A 15 digit series is DIME loss estamed. After a bit of playing with a 666 profix and getting a strange series of esked about disting any mamber in area code 404 In Volume III Number & Zappy from Arkeste 19. Rigitate the seven desh-

TV Garbage

report any findings to the system operator so he When I do "got in" or find a hack door or bold, I composer delweck in all my years of tecting nals. I have never enseed any cara or who ked rate sterootype all backers in the world as ovil crimithat, I have these so called "(N)" haskes who told their stories about how they crased all their some who had desiroyed people's systems. They gristed! Takey showed hankers as earl people byvaluable information and other instructional like world. It even had accasiled "beal" hockers on the ing to take down all the computer systems in the footage, the show finally come on, I was so disout. After about an hour of boding World War II looked interesting to me, so I decided to check in commercial for a show about "Hackers". It through the elements of my TV set and saw a A couple of works ago, I was hipping

evil hankers are, I was about to his my TV when backers know where the line twiwners good and the 2600 editor came and set it right. "Most The show kept point on and on about how

> to say thanks! We've got to get rid of the storecoff to go on to all the evil scaff. I would just like had is ... and must hookers (2011) gross 2.112 would have liked to have heard more, but they out rien.

You also saved my TV sol.

Pupper Master

Hacking Airphones

Dear 2600;

Centrations than for demostic calls... warse than psychocias if you pun ieueodod). I think it was phout S2 a menuta brothers, and of course they were say high inc immediately looked up the charges in the and they had one for every three seess. Well, I public Airphones that are easily soccasible possiyears on I was supplied to see that they have Airlines Thada't beau on a plane in three or four A couple of mercha ago, I flew on fights

billing. Being cardless, I asked my friend post to ador voice saying "This is an imalfid credit cord." ounch of DIME cores, then the appointed open when would happen. Next thing I heard was a found my bank card. Ricking up the phone, I to lend it St, I ranninged through my purse and if I could use his credit could to make the god ewiped my bank conditionagh life reader to see looking for any east with a magnetic strip. I was wary and saspoint of my goal so he refused and told him he wouldn't be charged, Well, he flight. (It doesn't take touch to amuse me.) The is would be deciting to make a phone cell in was free! So I wanted to call it because I chought stag was - the phase required a coudit card for Anyway: I policed that directory assistance

my bank card. to strip and plays them back in DTMF tones! been able to doorde them and find out what's on elest enough recording... maybe I would have New, if I were to have recorded their and had a I think it rents all the numbers off a magnet-

Report of the Captornal The Airphones have much potential and

Empress CONTROL

Mac Attack

Dear 2660;

last year, we lied a very simple method to get and roundahout mothods to get by it. When I was using an Arbase "protected" system at school the Mac possess Attiese, and some except cated The accountly seen quice a bit of instraict on

> method hardly even worthy of being called a remember the password for fixure access, to's a no mess, no made of your incrusion, and you can Finder" option of Atbase. Whoopee: You're tico. prost people above will stand out like a sore casety, but the posturenessile passwords that Simply go to the "Find PUS" option, and look for Remember this password and use the "Go to thomb smoog the metacharacter a productable piace. I don't remember where is soled, to everypted, in the preferences life, in with the file finder viewer, The Finder password "At Ease Preferences". Open it up and book at it

Computer Numbers

9001 - "ENTER FASSWORD: WRONG" Those type of switch Timbon? Switches? Also, how would I found our whan all connected at 1260 band. What are they? 9901 - "ENTER PASSWORD, WRONG", 594. PASSWORD": 848-9600 gields an output, 848. some interesting results: 337-9902 - "ENTER following numbers in the 201 tree code yield page 27, Paul of New Jersey montocood an NXX. 25 show of Q0 The Mook. I have found that the 2001 number that was dialed on the Newcocker In your Winter 1994-95 issue of 2600 on

The Phantasan

Whele ask for a user name as well as a password. leads to something else A point would must this is some than of presenceded mosters than represently. As for the comparies, it's game possible believe it or soft is to ack your business office invariancement for New Javasy; John best belt He're not aware of a amiliary switch

Fun With Cordless Phones

hecking for years and I think your readers will sor, the TM-741. Those are amateur dual band to listed it on, but also transmit on condices thig information will enable the hocker and only orgay the information I have an offer. The followthe job is the Krawood TNC-342 or its predecesagree or raction. I have found that the best radio for Place Enguencies. You will need to purchase an exequates hasking, but I have been frequency the 46 and 49 Mhz area. I am serve at phone and magazine about exonitoring cordless phones in A few mooths ago I pead an article in your

around it when we wanted to get to the finant | redice that are designed to be cood on the 144 in the 400 00 Mile area around the oranty. If less. Good look and i hope this helps. transmit there as well. The possibilities are eadyou have the 440 Miss and the line modifies you ibes. Also, as a note, must police frequencies are uses of this, but I'm sure we all see the possibiliaway. I would right not be specific about the less frequency in memory and you can transmit in the racio, all you have to do is ease; the condon the 192, college stall. After the medicustion cases the dealer will made by the radio for you is has been done and the 6 chater module installed the 241 and identify two surface mission registers cety of removing two serface motor resigions on you buy it from him or ben Burthe good consists ily available from any americal dealer and in most sed a 15 wait seldering iron. The pools are readshould engage with a late soldaring experience Too mode are very simple and can be done by transmit and receive out of the unidear band used. You will need to have the racio modified to module goes for above \$100.90, about \$50.60 rension of the 742 and can be bought cheaper 24 Mhz) band module. The TM-741 is an older can also hold a third band module. The bend Minz and 440 Minz band. These radios are energy than a new 742 (around \$300,00). A new 6 cases: College you will odd will be the 6 meser (50 to for so the bard modules per be removed, we they

Radio Mao, Top

516) 473-2626 YOU NEVER KNOW WHAT voice bbs YOU LE HEOR NEXT the 2600

Spring 1995

HACKING IN BRAZIL

There are made Strait, one could see the west one pair find the Apparage jumple most of the industry is concentrated extension of inthing section travelling long distances. and dollar the batter contest with made have Bishere talking about hacking here, it's good in adescribe the paparisans of linging is The southern part of the country is where, Participant the country of mines of Bogings

general info, and even lists of ISBS's. congutar-writing and nany Bajuthan newsguesa, people are longer learn topowishing, but edge once a week, with adjections, hints, papers dedicate a section on complicar knowlla to charge more, and like/eyerywhere, I modern and up thinking about serting up a times just join a BBS (most people with high § as part of an advertising theligis cookingse people to buy one for their kids fortay, theligis tile computer training as part of their curricu-BBS). By the way, most schools are advertise down and hackers must at schools or some? no longer needed, since prices have driftyed compare shape, yarni finantes, and bythof.
Icaso terminals. The dyappuperships, were a
meeting place because jirang halibasis shackshop camers would for this play with theirs ers" had no computers of rhoir jown aid-the must backers and maker contains were the "War General frame out the West places to several different places for people when

with the people who used the system like hell." changed. The real rick was keeping in-tenchy cach time the trick was too well affectivit was ed by the state-event telephology, spany and It's no different than what happens with the [] of same assembly project. So only universities hacking. The difference was 放映 it was creattooks and other things that sould by called Social do e-mail, and periodic some Janua appoint into, and so on. Just the the Sou one like max-games, tallo on hearther, benk computer linked by moderacky gas surgices part of an effect to make page for the userof's hals were also big mosting places. That way A few years ago, the "Vijedytexto" termi-

system (X-25) is the same as is used for the pathicing money transfers, but it wasn't possi-Pie to do auditing more than checking how selsanse te freignings er tild Shapping Corrors jš Pedgije raho usad titat at home (nor eco atady. heard by the situal! Weaken. things about the system, like meeting with other pounders allowed and such descripted equicontography didn't thank it would be paying. The guy atype other and would be to make phose calls to their fileads without Seggidation-likelies money discovering funcy "the on money one had and a few other things suchus hits adjududut provide for its could obseption games. The protocol used for that

vesk but they would nothed you drove it must be said, that all public plugges have meral Schoolsh Technol rotary telephones, diete to Marco X washing behalfy. THE PARTY OF THE PARTY OF THE PARTY TOWNS Fagineering opies call parage and USA with .ple/who envolved in Bloomermyhications kniewn etrout phreaking. Offerthing is that pen-; 1994 issue/of 2600, whore/our wyild call rables against the prifes and that the phone section "Letjours To Read By" The the Surferfor secretive Apart from the trick described judge Pincaking) here' in Brazit is something

Numerical sea trick is to use a coin with a siring, sôft would not be collected. But if the police they can think of at the proment. It is a hassleautost you for wardalism, or whatever else phágs like this. Either they would fine you, or catight you.... The police don't follow rules for The plongs (see some son of mess coin called technical which miss to bought some

"Ideas system can be boost. The phone comtold me that in the Northeastern part, the impossible. The system is just not good puny doesn't admit any kemailedge about that coough to be boxed. Other friends of mine Engineering told mother buxing in Brazil was My friend who was doing Electrical

get inday. Until a few weeks ago, it was impos-Sible to excute an intermet site that was not part Internet access is something quite hard to

> cudecode it after some odiffing and have a his the file and capture the screen lighty, WORKING ON OF THE FILE. inside the BBS and promoding it, you doubt httyre. The way I devised, downloading the fife hard to developed something higger than (4) good though, for it is vary slew. Also, it is want out of business. This bind of access is not the like. The Bad Boy BBS was "th", until 2 BBS's like (sea BBS), Claveland fromet, and engent] in senioras was adjust the lineager endry cannoct to the putside world via teiner stopped staring OJF's of worderfol warren in complain and own things happened: the sacof top models from an tip acc ugaity. That Tip without an internet second. One can still swintsuits and the conter was fixed to prevent used so much bandwidth that the site vacant ro developing for many GIF and IFG pignies School. Legend has it too the guys were fixed in the course, but only at the Political Link roters full of 3863 which were linked by liber thes That lessed for about a year, until it was pates or the computer rooms and fig was also oping to this comparer. Another are did the file a resourch project. That was because the stucould get access with ease, but guaduating stothe Net Universe. In the University of Sao and the like were capable of puring people in possible without an account, but only to a few transfers between the appoints and the comassount Also, all the facety but computer CDC 4361 to deline without an Interior dents footed out that and could use the IRM dents would have to slow some connection to Paule, people in the post-guidantien courses

sive though, but if you have the money.... modern is some kind of forture. The real thing compater transmission. It's anuch more expenis to do?t by "Endia dodicada", a special line for files. To try doing anything but read letters by makes it quite hard to described compossed chaseres contection (no Zmodem at xII), which is possible to do it he phone lines, but the moderns will not go faster than 2400 without argivalisae in the world. Outside the campos, it pes, to all the downloading one wanted from By these means one could, inside the cam-

Joseanch project "Escola do Eururo" diat, Internet account though is to be part of the Perhaps the best way to got ecous to an

> arriving other things, gets schools linked to the to access tria modern, also. Old habits die band. graduation work weaten about that It's easier teachers use it; goest there's even some pastinternet account regardless of knowledge. Of dents of those schools. The University of Net. That's what I did and they pay mo quite see, people haven't closed it down. Mast doorned for extinction, but for this or that wasource here there's BIINET also. That's Complines is said to give all students an well to search for data in the Net for the year

bot in costs a lot of prodey. Connection to Compusarye is also possible, than you have to pay it you use it too reach. out at its case to access by modeon Problem is mercial laterner sites, something about to The BBS's that do it don't do it for free, also, dig. This is get direct access, as one can see, your mail is sent gage the Integral letter in the You your one 1911's with Interver access, and happen one of these days, is access by intal. you can got, at best until the opening of pannthere are few opportunities. The ordy drug-Outside the designs, for extension people,

secret in order to market focial objectives. and stop backing for few or keep their activities jobs. Mest would-be hackers either get a job blac yet, and very lew people confess their the system. There are no hacker magazines curiosity about hacking for fear of not finding things, sometimes because of fear of losing it, the knowledge of hew to get access and other Brezzlian backers are not very food of steering semeliants because the demand would overload World Wide Wife sites are becoming serr of bhaseconucipa br - (92.147.216.1 - togarbbs). available or the gopherrapion. There are many people who are looky enough to get the access. BBS" (Atligator BBS, available by telepting mirrors from many factors sites, 12to Smale 20 like "Zeo and the Aut of Internet" and made in the world. Even the nylltary people are searpopular also, but still available endy to a few and at least one bitered BBS, the "facing meterial is being mendated into Pernguese, make better connections, and some informative ing with it. There are plant to coherce it and sines in proving the sense way everywhere also the Internet is spreading fast and the autobor of Business of the newspapers, knowledge of

Hacking the Tandy/Casio Proket Computer

Subdentill ures an

The PC-6 is a position computer that was pooluted by Rodio Shack and also by Casin mode, another name. It is programmable in HASIC, with 10 areas in which programs may be shored, has a name-past area for zone, regulations, pitche cumbers, and the Like. A trayshop is a secret entry point to code. A Trajan boxes is a subversion of a program which results in the program purfaming some function other than the one intended by the user. The PC-6 does allow pates end, to be used, but is valueable to the enacks manniored philis is not addressed in the PC-5 documentation.

10 01850

The PC-6 has a memo get area and a set of 30 grogoral areas. The exame pad is narroally used to shore functions, Jinancial information, phone rundway, and associated metas. Normally, the metho gad may be broused, and the contents of any pergramations be violated. The memo gad only be screened detectly via keys on the PC-6 keybeard, or the memo pad may be screened on programs. If a password is set by using the PASS occurand, any amengs to need the exemp gad directly or obstance program is using securities, and the protect error (Error 8) is returned. White the protect of set, programs may sail be expected.

This is the impdoor and Trojen horse values willing occur a persword is set, the user is beload out at the comment level form accessing program list-ings or the money and their Programs can still be executed and they may monipulate and access the program and That is, a user control read memoral about the pageword embled, but if that the pageword embled, but if that user in modified a program possent to display or manipulate modified a program possent to display or manipulate modified a program possent to display or manipulate modified and without recriction.

An example follows. Suppose this is a progent; in one of the 10 posytam areas:

10 CLEAR

50 CHECK A

30 GREEN A

10 GREEN A

10 SHALL

110 SHALL

110 SHALL

Takis is not an exciting program. But it may be used to subvent the password reactionism all the same. To coverely provide reactive god access, all that is needed are a few minor code changes. Someone deving physical access to the PC-5 conty once withour the password being set could change the code to the following:

30 INDUE A
30 HOUSE 100 : NEW PRIECES SMEE
40 HOUSE A
40 HOUSE A
50 HOUSE A
510 SALEMAN

only by how many ways there are to manipulate dens with the means pad data data present in the possibilities of what could be time or write over equips. One would be limited against the memo paid may define one entry at a will behave properly. Similarly, stracks feasible set, the Trojan herse. Other than this ail programs memo pad wholese or are a pessword has been the PC-6 to display the first 10 records in the record. The not result is that line 105 will cause record from the memo god, and display esowhich has been installed. The crompands REALX 5 and PRINT'S are used to read a single program to exclusive the Trajan borse property has been chosen. Presumably the legitimate user verfol. To create the product, the value of -5999 would enter the value -9999 when number this will not outer this figure. A subversive user By raiding like 105, the interio pad is sub-

While this is a simple example, is contourstrates the grablem with the password mechacism. May person who is using a PC-6 is valuerable to this actack. The only countermeasure braides the obscous - not letting anyone across the PC-6, and always being a password get is to pariodically review all source code on the PC-6. If a person who ones one of these does not use passwords and someone were to apply the above technique, it would not makes if the individual-

(continued on page 40) ...

Hacking the Tandy Zoomer/Casio Z-7000 ZPDA

Sudima fu

Recently, I prophased a personal digital satislant. I obtain the Tandy/Cosio smodel over the Apple model painty because I was fightly with the 8053 and GEOS operating system (I figured I could write software and hardware backs much more easily), but the big driving force of my decision was a tike employee dispount.

Those who can the 2021A and are already familiar with the 1859 would can vough that it is very similar to a PC - all the way down on the ANAUTOEXTCHAT and CONFRESTS. This got me to thicking about how to hack its software and financers.

The File Manager is one of the most important parts of the ZPDA in my personal opinion, it bits you see which files are inquited in which directory. It varilies the existence of AUTORY. FC HAT, CONFIG.SYS, and various *TNI files. The key on happing into the Zoonge tits in these files - but how to get to them?

Something that Chap and Tanéy did NOT tell you is that a simple text editor extast for the scandard, stock ZPDA, it's past of America Online's Compose Med feature. Fast branch America Online's Compose Med feature, fast branch America Online, select file Dyen, and use the dishgre box to pick (almost) any file. Try booking at AAAUTOEXECTRAL right new. This batch file and its complement CONFIG SYS are executed when you first time on the ZPDA and when you press the toset button in the hattery compositions. The big problem each field in the ROM disk. You can change them, you will not be allowed to. So we cay't change these. What now?

There are still all those * INJ fibs sarking about. Can we change those? Try it. The answer is: not directly. There are two mean INJ fibs: BYGEOWORKS/GEOSIN; and ACNET INJ. You exhapped NELLINI and see all kinds of nithy things to pilby with, but nothing that dare be changed - alas it's on the ROM drive when you will got open the other file (GEOSINI), you will get a file error After some experimentation coupled with my programming experiment, it would defeat this JNI file is "in use" by the GEOS

operating system itself. Boxesse of this, GEOS will stop you from using that falls. At this polin, we hape that the corresposit we hape that the corresposit we hape that the corresposit ACNETIN, but there there not seem to be a way to do that. On, drottel So close and yet so far....

the RAM disk, allowing us to modify it and (2) this dogsn't your like an easy rook. With the GEOS operating system resolutions. to do two things at this point; (1) copy NETJNI to points to a cooring on the ROM disk. We will need House, interesting, OBOS, INT is on the RAM a lead into what is contained in GEOS.RG. Open effect creating the proper JNI file. This gives as change GEOS.INT to point to our NEW NETINI disk (i.e., ii, theoretically, can be prodifted) and line configuration that points to AdNETHAL Ard OCALINI and you will see a simple twois support to TENGROWCRESTOROSINI, in ise'l there, ede of the ROM files, ANLOCALINI, calstones of BEOBOWCKKSCHOSINE, If a and see that is makes a cell to a little botch fully named MKRAM.BAT. This banch like checks the Look duough the ATTOEXECTEAT again

The first thing to do is load up the File Manager Chry A: NBTINI to RENETINI. This is the easy part. Now we have a NETINI that resides in RAM which can be easily modified. These will this like yet, though, as you don't know what you're come and can potentially noss suggesting up.

lew lines - specifically one mentaging fig file. Under the entry "HileNamagerj" are a this information, take a look at the NETINE con-ZPDA spews out an error message. Now, with rename SMSK or if you crease a base's like and SINSK.EXE has a slightly different from 15 you my to execute it under the File Manager, the the program You may also solded that memory. If you run this by double effeking, it reset your ZFDA to facecy defaults, cleaning att looks like GEOS shells to DOS and then executes Filo Menager, SDISK-EXR, that will excepted by You may have noticed that there is a file in the edit the file directly, this is onsice said than done Suchebons we have to change the second line in "fini-B:NETINI". Boause GROS would be you The second slep is a little more micky. from "ui+A0NELINI" to

A batch file can then delete or even egite title all closes all of its detailities (similarding DEOS 181). when GEOS shells our to one of those files, it praetical advantage of this soon execution is that useasted directly from the 810 Manager. Another GEOS (Tile particulations of these five things and be and ZDREVER BALLING growing that ANY non-RIGHTBAL ZDRIVER DM, ZDRIVER COM, came 10010 also police that lines exist for PEX-SDISKEME followed by presumably, an ison

does not on coyalities (XIBS) or ECISO or EXITY. とUのIではRODAT file wife gust the shoot line itself This courte gover scould drough Bychesing a NETJAK you will have to he decided batton. alt allymur data will be wifeed). So, after you edo Good, the A and R burios 爱国化 daing his or else their water the sense that you are NOT believe reset @@de un the bester goompartment white the ZPDA fightsbooted capation GEOS (4) ins from a configuration for the memory is when the though, that the only some OBOS will be read this BONETINE & Your bean's countries Take note, space, the wild assessor side to modify the rown awa, personal GROSANI. You was delete shell. Rathering is manipulished by bottong the TEMPINI ME STORE WISE TO BEEN MISS ESK your XIINPEX BAP the and it will haddly have STGEORGONSKIESSING and 数条 Williams BITCHER CAR KSITEMEN INT Online to presco a new file called called say, TRMRINE Use Autorica Obline to ZUKUYER BAS and fell is with this #86,000PY modify the string "At" into "It" in your TEMPLY Sile and save in Now 150 Appealor Use the Manager to make a ropy Office INI Now, how to specificatly do (Els? Shople,

or a sorial cable with a noth readour adaptor plug (thath action burges and reself, I have found this will only onstabout \$25. The "cofficial" transfer prepared to lose semething. A pull morden gapte are going to play with your ZPDA's configs, be out the hand way several different times. If you expecially if you do not know what you've doing. time you serew with a computer's configuration. software for the ZPDA posts about \$100 and ZPDA locks up psycoid https://docume.of a faulty you are going to lose samething. When your INC, the only way to fix it is with a 19191 resor-A word of caution before we continue. Any

> something similar as its Journal on America Cartine (and who can't get a 5 fees hour-wooden bocause it will get wired. for AGE focks days (). To put it bloody, if you have important information, so sure to back it up

(title followed by variable) and with Some of the more stable over I've found METANI contains many delicent things to play figuration, let's look at what can be done Now that we can get to said change the con-

These two variables are, by derival, equal to delifyou have good eyes, you can change them to a You out also make four larger smaller value to jacke the secon less clustered [system] (footSize) and [monf] (footSize)

"Total". You can obeago it to "false" if you don't want the sensen blanker to every kink in-[ui] (screen@leaker): This is oscially set to

much made useful"). that it was no the File Manager openion converted the state of the second to the bard 物質分析 I've from a house was stone (MONTER) 解析 Coations to sum when we wo co A STATE OF BUILDING Took are the 「「「の企業を受み」(FilenameTo製造を対すると

Ouganization as the ZPI wisho Casadi USS pose se grassion to my fellow 2600 teaders service 的数据 Fr System so 医自身系统 some presword in one of these gadgets? Obviously does anyone know a specific way to hypass the how secure those passwords are? Or more page etc.) have a password leature. Does writing know Before properties this support to work with the more weak andernation in a Table anicle the Zubrac Saffware Development Co and the you may grave on the programs. culties the so that the Ble Mediging is builting the hild Wingper will let you many they can add non-Knowship (1998) programs 的原始ich files tion social to contain information about what there must be SOME sort of back door that the Hat of the grains this suff of the order of

(coexioned from page 38)

without wiping like data. Happy healthing! technicions can uso to got into the organizer

6 and 14 be pendered vidnesable indeficiely. regularly race passwords, one lapse and the PC uneas, the strack would be offering. If a parsion review was done of all code in the program later stands to use passwords. Unless a countrie.

SOLD SOLD SUBSIMIES BINGTO LO SOLD SUBSI HAMATATANI ON BOO LANG

4 § * 1. S	THE WASTE AND THE WASTE OF THE	Well Market Const doc MACHIC CONST TEACHAN MACHIC CONST TEACHAN MACHIC CONST TEACHAN MACHIC CONST TEACHAN MACHIC CONST TO MACHIC MACHIC CONST TO	CHECKET BY A DATE - MERCHES MA ACT MANAGEMENT CHECKET BY ACT STATE CHECKET BY ACT ST	TOTAL WENTSHAME TO THE TOTAL WAS THE TOTAL W
20	MARCHARIA CAN MARCHARIA CAN MARCHARIA CAN MARCHARIA CAN MARCHARIA	MORY CONTRACT MORY CONTRACT MORY CONTRACT MORY CONTRACT MORE CONTRACT MO	COMMAND CONTRACT ACTIONS ON TAKEN FOR THE COMMAND COM	AND AND A SAME AND
THE ARCHARGE AND THE TWO		2000 x 600 x		
The A Process of the State of t	AND CONTRACT OF TAX THE CONTR	- O R - D 2 2 2 2 2 2 2 2 2	PARTICLE AND	000000000000

Spring 1995

Page 41

O נוח נט סב 70

by Danny Barstein

Caradia surangemente, but other attendries are not systems. It is primarily focused on the 138, and some of the more control of questions about pages This acticle has been pur upgether to answer

What is a Pager Anjawy?

cards the filling computers, etc.) There are also extra that undil each units, person Sensor which is shaped like a flattened out providavailable. For example, Moscola offers up the sage to the pager owner. (There are lots of versions box, which espice signal loci to send a true way masgenerally about half the size of an audio essente As usually described, a pager is a portable unit,

What Types of Massages

for example, call the arrowing service. gard a fond them. This was a signal to the warren to, The confice cores, nonedly called Newpork, simply

can, of course, allo code numbers to mean anything the phone number you want the person to talk you numbers. While the most common use is to said if The next seep was units which could display

mean to call the xxx-35555 number at your leisure. Xxx-539-9 might mean rall ASAR For example, the number acceptyty-1 might

horse, you have a lower from the IRS?" the pager could stree the message: 'Please call display exceptors written messages. So, for example, The most recent ucits, called alpha-numerics,

the person's pager. These are pretty rate. Typically accessfor speech into the photos and have it come put There are also wave pagers which will be you

> voluntion fire departments. They are also exact on occasion, by groups such as

How are Messages Sensitive the Pages?

modified each time a new pager is added to the desithe capacity over the use. These rables can and are to get the capacity, which is in tinkle 5%, and which a" of a lookup table. The pager radio stocking uses to dissociate with the pager is socially marely regions. page operator (see below). (The ID number you share number you call or the ID you give to the the US) a CASCODE. It has assetting to de with the be a currency or other string.) This ID is called (to display, the forther tring tressage, (Again that eagld it to, in effect, care on, and then listen up for, and s lost until it theory" a specific ID wing which wills radio frequency deducated to pages use. It remains a pager scenally works. The pager is a small sized ratio precises which constantly monitors a specific mare everytheaded deep that. Let's take a look as how Messages are sent by radio. Accusing this a bit

UNCARCOUR over the air. specific unit will only software what it bears its Transmitter is a sessanity sending out pages, and your So the key point is that the pager company radio

How Do I Send Out the Manage?

the most common examples: This depends on your pages wondon Len's take

these are used within local areas, i.e., in a factory. | still in practice with the voice gagers, think use a go off (Nove that sadier models, some of which are will send out the individual unit's expectly and it will hang up. Shortly attenuands the payor a manufator phone number assigned to the pager Worll hom some diagong, that a signal way. At this point was Abort tone only (the old which You can up a

> things like relumner fire deportments.) they are pressy stanta picased out except, again, for Since these give a very luminot number of chalces, expende but instead out a simple tone sequence.

is often used by nationwiste services with an 800 the pager's 2D months, and continue as above. This dial-up phone number. You call it up, then perch in variation on this in which the company uses a single well read it, and call you look. (Note that does is a pager will give its accoying electuses, the person lowed by the numbers you punched in. That the transmitter will book out the pager's depende, falpunch in, using usual tens, the number you want then you'll have a signal taxe. At that point you displayed on the pager. A few seconds lever the number dedicated to the specific pages. It will ring, Touch may payer You will out a unique phone

of the popularity of this type of system, there are automote stone of this] Sourial terminals: Because etc. (There are also various softence peologies that monuted later, the system will transcrib it over the pir, pager 113, followed by the message. Again, a orangular dist up the number, then you type in the person) The mast comman needed is to have your computer call their exappear than here you call a for this purpose. The most common one is the various stand alone terzenals specifically designed they will give it to you. (They'd rather have your sochware. If you call the tests department chances are comm programs, whole others require proprietary yourself. Some of those will work with regular alphanismeric have a dial-up purpoer you can call miles will send out the captude and the message. Cong Jour computer: Mass pages companies with paget 10 member and the message. They'll tope if their operator. When they arrower, you give them the operator. The pager company will have you dist up into the computer and sharply afterwards the manyways of getting the massage to the system. We get Alaka-numeric: With this (no there are various

> with many of the functions. It's basically a half-Alighanuse (its Materola) and it's pre-programmed decent keyboard with a two line display, and is set up with the jobbs number of the company, etc.

Hew Large Long a Message Can I Sond?

code....). It no particular under these are some independe with manerie ages then if you're giving 2 leafy distance number, extension, and concern with an alpha-numene, although it has This depends on a few key states. These softened

nears (You can reset it, provided the next two items Albhamast, chances are it will be pro-set to 80 charprogrammed services! For example, if you get an The design of your sensors companie or pre-

on so afginements. Show systems will of low up to will send over the air. This can very dramacically, 225 or so signia characters. Generally (with a RSGN/RDdV) yearly good less 15 will place a territ on the maximum brugth message in numbers with a numeric, and at keet 30 obstaces. The design of the pages transmitted system is

will only held 90 characters so applicing above that with alphanumerics. Many of the ones on the murber The design of the pages Especially a problem

bec. When we page out to the group, everyone's unit I have both an individual ID and a "group" numyears off. Here does that work? My nominary has given as progers, and I write that

sode zero. When zoos is detected, all the gagery with in addition, both pagers will be listening for the capcode might be 1997% while your boss's might be 1972. this case (which is quite common) your personal cap-You can get pagers which listen for none from one. In reactives that is constitutly manitoring for its capacity. Returnber that a pager is besically a radio

bere so indoors? actually send the soorce mosage 50 your end, and word out fifty sequential increasings. group of and excelent in two expendes weigh wight that respected will go off. (Alternatively the page) There was some software tasks that reduce overhead company's complete may be soon enough as take a

while by property More the charge word? I keep hearing about sports or turn writing mail-

all each the same capeoca, they washing south to a washing will be a let of home primed some by the They have to page a to a bunded or a division of exportating the racio plannet the their expende. So Keep in mind their payors work by constantly

il gest display at by all subscribers. Cogolia, they man Il gets into a security of Sodio time equation as to also said out the expendentian the 500 selectabors. west mailed they'd use a second of they'd use a second of they'd use a second of they are the are they are the are they are they are they are they are the are way the news company and but one makings and that point they'll send the the stape to the given Disposits securiting to abuse the media This centradio chemelador so sedigigidados ina. Acperhaps, a scratt the sector mention the name to specify The service company will have someone for 1

So it I find one of these sports were powers on the ridenalk fant wie it fin from

of they over the cit. Very few systems have actually pagest do have the ability to be turned into a Jump implemental this security future (which is collect for your personal messages. Note also that some "over the air" showed, jour in to the ne. changed immediately so you won't be able to use it Dut the astiroidual pager 110 with probably beyou pages with contactors to metric the messages. ing the service keeps using the same group acce, Unan, kind of the long series company provid-

to use it. What was I do? I've found a pages on the sidewalk and would like

> which will allow you to have a doplicate and. See from, the pager will soon be a paper-edgle You out the cadio signal, to unless you keep paying second with the jaging company for them in send while to get this see that doned to your time out, might as well carn in the the neward... (On the other hand, if you wireasty have a jugot, you stay be Not much, Skep in name that you need an

and of assubers on a. What so they weak? Speaking of that pages on the street, by get all

Special and a series of the se active base will include (ins) (i) in now small print) manufactura, softwage steatgalar. In no purificales

NO the collect programmed the it. (20) Se pasers secul muse)

光線の表を影響を与り合うさいので unit, but will cally ber", and other har offsprog Sprog. Note that often the by readable was the postportion. local supplier, an "Segmed here's the reward out-And of done, three end he the their asme, the Building the look of the phase number passes of the when howeness appears with numeric units,

Can I llisten in/monitor pager channels?

an Some of these folks advertise to communicameetial and display it or fixed it into your comput-Honeyer. terra magazinus surio as Pigniae Communacionese. are various vendors of equipment to rescade the the data is a digital stream going over the air. There Kind of, the Sequencies are readily known soul

like you dried this (see the ECSA). The federales and the gager companies should

a 2200 band channel in the 73 parcent of the time. well, you can work out the main. The volume of realitie is quite high. Hyper higher

> doubt any do these days. time over the sin Some did way back when, but I By the way, the memorie units do see use upon | write peguing?

I have a payer for which the paying his bucks submyr a for, What can I do about this? every securit. I make a los of pages since I'm in the

There are several things:

TOUR SEATOR TOURSESSES. W number, pareli in a security code, the file of the discount ment which techniques to respect the best stay of six Selection request. Source: "See cell appoint phone." Where is the Popular? Some of the payor companies will residually

may be a few boars lose of lose you it be getting it. sages in the en your cell. While the registry and proceed or good to the wife the located into office, When you got hack you compose to make? cally to the first. Leave sea the at home or in your You can get a socially agreement clamed itself.

Total grant 20 messages. Units with special larger

weiner of warmings of miles in which we have a supplied in the control of the co alone year and for you. However, dang exceptions Achielly, most payer accountaging to be a property of the prop

What are the prices and services afterna?

The boundedy there is no central decaying Account especial in fortermining when you'll be payings awards on east Generally the following factors per These vary demonstrially by area and congage,

「大学が大学の

the most common are numeric (chasper) and alphamatterial (mails expensive). Which the of better and satisfaction by yearing More aleasy the congruence is.

suges a cross hand that pay \$1.25 for each addition. Level of roops. You may get, say, 25 feet may-

Whether you are the jugar or have it. MISSESSEC, 401

設力のできる their of coverage. Smaller side means was

Spraking of connege, where this raddiffe aution-

DEPOSESSION CONTRACTOR than signals ingressing the transport ones a send The seage, whole that you are not receiving meaned like out your capacite. Smally advantaged for ex the what's dock is: You call up the paying company, it ser a segle satellise severing the nation. Reflect With it's not quite what they're tailing you, bit's

materials 最換 複数 topic with a Typical entoinent Mass pages are against instability the argument of duch more popy memorphister messages. Two key features are slewcyd thegate from

third patters which will be its shape out the add in a fine allows the patter to wanty reception to the tree-value of set communications and body. The matter Alsg for the way is complete increasy com-Minute of leptop vomponers, specificate a so me-The sale in grander many in its supplex form respectively. The above the extensive, at what the against stigg which would be cally to window only. These, where are still a feet be seen but are recidly the little country and should soon be Company of the

the way and a property of the second direct by appropriate con 7



Spring 1995

2600 Magazine

MITNICK (continued from page 4)

When Shirtoneura concluded that the introder was "probably Mr. Mitnick", the bunt was on. Shirtoneura had all the help he nestled - he programmed for the NSA and the FBI was almost as interested as Markoff, Using cellular tracking, it wasn't too drifficult to track down Mitnick. Less there a week later, Markoff and Shirtoneura signed a \$750,000 book deal, no doubt to be called something like Cybersheuri, pirting good tracker against evil backer.

that how much do we actually know? Obviously, enough for a classic cut and mouse bestseller. But what will happen to those facts that don't lit in guite so nearly? Well-the awkward quositions over he answered?

one who had access to them. In fact, serious tive? files, Mitnick was certainly not the only offer he was apprehended! As for the "sonsi-Who figured it out in the first place. The fact doubt can be caut as to whether he was the coo this - for one thing a now message appeared obvious that Mitmick was not at all involved in mail. Upon closer examination, it's fairly learning messages on Shimonyan's voice ago. Mitrick was also accessed of leaving benefiting financially or causing any damused by Mataies, nonwas he ever suspected of authors lying around on Noticum was ever the fact that not one of the 20,000 credit cand everyone's privacy. Little attention is made of Mikroick and make him appear to be a figuration a strickestreen, designed to demonstre recent charges appear to be arching more than is reached beyond pure speculation. The pecced of windsapping the FBI while a lingition?? Markoff appeared that Mitnigs was susplace, besides the nebalous "grobation violative. But we now hear how such a conclusion What was Michely wanted for in the first

that we were able to track down a copy of the directory he was supposedly using tells us that arizing people already had access. Does this suggest a closely knit conspiracy? Hardly, to classic backer fashion, word of one person's discovery got our and spread deroughout the not. After all, who could keep quict about a pussword spiffer designed for the NSA fast could run on virtually any machine? So far, the press less.

rang in the first place. clear that the government entends to puresh And we may never find out why he was not-Mindek over and over again for gating away. seem previously nunexistent. It's becoming followed up on bur in this case such actions damage or outright theft should naturally be and tive rone's entire Life on the brooks. Any tus: it's simply not possible to be a fightive cause about sessass of Micrick's fuggive staand virdicated approach a chess "crimes" years that he was on the run. This is a spiteful arrest, the implication being that there will be a period of school days before Vittoick's many, adapting charges added to cover the assume this to mean reposymmotion a cellular phone in order to remain leaden. The goveusing a commerfeited access devece. We consent says that this indicrment only covers thiopizati access devices, and 21 course of device-making equipment, possessing unau-March 9 charges Mimick with possessing A 23 cours indistriers handed down or

How long Mitnick will be imprisoned for in really anybody's guess. Judging from the way some influential people are talking, in could be a very long time. We have to get the facts so that we can judge for ourselves what "real would" entires we're talking about. The protestial to loaze from this still exists but the desire to putilsh and trisks an exempte threaters to threat that.

RED BOX FRAUD!

20/2017 - 300 - 1/19/22

200E 50:

SCHOOL SECTION OF LEAD THOU. LEVEL

Operators on the abovernance and Pittsburgh Mega Systems had reperted on increase in "sellies" fraud. False formerly known as also's for transfer. Sellies found concreteness use declines to assessment from contr.

Proviously, you were influenced that an improvingstion was dodingay to determine the appropriate action to be taken regarding "Rod Sox" fraud. He are providing you wish an update at this type,

The tosuic that had to be efficiented regarding this type of fitted were:

- In the freed contenting prisonity on terrectic or interpolational ratios:
- What is the expense to the componation to expensed three who are considering this type of fixed? For example, they the expense of suspense or alraing that type of fixed exceed the lose of section from the found ingelt?
- . What sections, if any, howe Product Namegorant want our (Generator to take)
- 19838 11 The technoly cont will participate in a study to determine in the suspected "sed Now" fraud to controlog primarily on Democratic or Compositional calls. The study will take place from 1/21/95 through 2/20/95.

The results will be provided to the appropriate Product Kanages for verses.

188000 #2 - Gree the results from the knowly are available, issues and #3 #2 #8% #3 can be residued and a narrow of action determined as to you to proceed.

We have this issue is injection to you and that you are arctour to know is anything now be done to prevent this type of freed.

Please be additiond that we are warking as quickly as possible to being this problem to seculation.

This memo comes from AT&T Megasystems in Kansas City and is addressed to all of the other Megasystems out there; Pittsburgh, Bloomington (Indiana), Dallas, Seattle, San Diego, New York City, and Denver. Our source tells us the code for coin fraud is '06'.

Wimarketplace L

THE RES NESS Conferences and have not

rail for this if you don't have not account \$12-251-2511; C. Medican 4:02, Seattle, WA, 98112: 505 System of new DRF CON Youte Bridger 801-850-3325 a phone with ATAT CD, or 19288 it; e-mail: Josegent@defcomers filter Dark Tangend; small casel: 7509 Communication of which mail: 0-700-826-4868 from ing statement in the body of your exceepe, subscribe mailing lies well majordons@fc.ref with the followground orpidedton. FTP Site: Spitzmer if unknowings out the Salawing: World Wide Web: Employedthere information and deciplete convention deside one-Cool Video Shit, Searchger Contest, Who knowed the Chearty Red Fox Creation Orneys, Victo Rivers Speaker. the 5th and 5th; Williams Law Vegas, Newsde at the Texpisons. Hotel: SPECIAL EVENTS: Hocker radipolytic William August 4, 5, 6, 1905 (Speaking on tion for year to most, partie and listen to some spending that you would normally deser parts book from some kwho you are, you study characters. WHAT: A conven-Comingly treese. Rearing Impaired, WEO: You Impaor define. We by to unget the ideal to your feverite word CONVENIENCE SHOULD SHOULD BE INCIDENCE. libertes (inc.pt. OpherPurks, Folumets, Artists, Pageaneurs, Carriera Cabeputh Wateraless, Circ. land füsikers, Phresks, Hazzneies, Visij Coders, hers on for the "underground" alonetes of the excepts. Attended and testation to (1839 CON 11), a con-DEF CON HE COMPUTER "ENDERGROUND" Spel the Fall Oceres, Shine bridge.

of it and with every persons so contact your legion to a book was person with various computers harging off the wall also include a HOME polarement link unmoned to and other forder related footage. The conference factor visions, will be showing various films, documentation, throughout the conference on several pyrics hybrid above much most more. Technical was takens will be running needing. Their security sides, vineses, legal aspears and A video every, equipped with multiple large senses telegigan, magstips, shart and schoology, social cagand the secret verview, because its, calledge religiouses, that will be used for talks by computer vacually profisdistración will include hasting, physicing, the Boother signals, legal expense and backets place. The topics ander versities in England. There will be a large letture theolog and floordons on The Statest and is one of the prumier unj and meet "The Fiverry", King's Callege is located in conchance for all sides of the computer would to gar report. Observable, the enforcement officials, not surface, proof, double major issues, lean new dicks, educate offers, grationers, and the composer update ground, in well be a ors, phone phonics, compared security professionals, July 1955 (Sahuday & Sunday), King's College, Lendon. ACCESS ALL ARRAS, Hacking Conference, 1st - 2nd The first UK booking conference is ramed at hunk-

> 234 (553), exquit, info@phase denicer comb identity. Teighhard: 444 (0)075 (300)02. JBc: 444 (0):88 pre-registration details from place control one of the seclike more information about Access All Agests, actually 6010 (weign), 164 (00101-350-7376 (fact, 16 year would backing, call the following numbers, -44 (0)191-381 Registration with take place on the inventing of Serunday their student identification, are also weakly by Tie make a for Birthid and Contracts unbeauty suckers, holding our offered for the duration of the confession. Special process will be 35 pounds (appearing toly CIS \$40.00) at the docutili los Saturday night and will continue on Sunday 2nd eace will extranence. Leatures and workshops will ma-Accompactation is necessary that of residence is being and will include a door pass and conference program—o July from 950am and 600pm. The price of admission isolally from \$600 are until 12,00 poor, when the confer-

PHRACK MAGAZINE and Computer Security Rechardaging special The Source Security Conference Sources for the Chain Head Advance Conference Sources for the Chain Head Advance Congress 40% 60% 20%). Advances to distinct the Advance Chain Head Market Source Source for the Advances Heads more found to allow and the superinformation of deltars a night contain to conference attendances are 65 deltars a night for single or duality to superiors. Participle is also complete the single or duality to superiors. Participle is also complete for single or duality to superiors. The more information for conference attendances for more information for the following formation of th

The was was and For Sinte was the was pass

INFORMATION IS POWER: Arm votreet: for the following phase in a control Age. Got information on facking phase ing, enabling theorems, vicese, exactly rathriques, and the internet less. We can supplement you win files. Seguents, messals, and memberses from markeling Seguents, messals, and memberses world wide, controlling the particular taglit and procedured world wide, continuously negations will relevant you to a higher plane of containments. Send \$1 for a catalog for Substract, Few \$24, Long Board, MS 18506.

TAPBACK ISSLES, complete set Vol. 1.51 at QCUATIFY capital from originals findules exhematics and
inchess. \$100 pagesal. You use on Fixed Class Mazi.
Crey of 1971 Exquire untils "The Seness of the Fixed
Blue Bloof 155 A large SASE with contract rate
Blue Bloof 155 A large SASE with contract rate
Curron Box 455. Mr. Laurel, NJ CONSA We are also
Original. Also, ELECTRONGO SUSYNELLANCE
DETECTION EQUIPMENT, for RJ: and ratio
electron from retiding TSCM specialist Complete set.
\$4550, Send SASE or face 8 for complete details.

LOOKING FOR TUAT 6,5000 MHZ CRYSTAL? We have them for \$4 (US), cash or money copie rolly. Sind your order to Darham Rednical Product, FO. Red St. Adington, TX 17000 USA, [Internet address bid@adicamac.org.] Three or refer or safe only \$3 and Also zerolde, return linguage to the sets (Contine).

Nic. and Mark) for \$50.00 (Duchane test see available sonal). 850 or \$51.00 (DM) decodes or \$557 neoph-4 \$4,555 threat for \$1.00, 555 threat for \$1.00 same for \$1.00, 555 threat for \$1.00 products we carry is enabled by safe and or enable full places we carry is enable by safe and or enable full places. The Crimo Studio Thom Induced Distribution, \$10.00 to \$10.00 j. Lian Barrion, CT 06512. Orders \$30.4551-366. \$11.95. The

UNALTHORIZED ACCESS. The tacker decurrentary by Annaliza Storage, as present in 2001 Water 97-58 usus new weithtle from Swage Productions, State One, 281 City Road, Lendon ECTV (E.A., U.S. with a chaque or manage order for 255-00 or 18 UK, Pausada, MTSC VHS unless enhancing regressed.

Now its where neality goes to the

CRAY AREAS 67 has finement Liberation Than internings, HO22 and DiG CON reviews, 76 has computer viruses, 10th Bloodese internion, and CFP 15 has a photo, photol, William English, PumpCon and Babacton, 58 each (\$50 breign) to: Gray Areas Inc., PO box 806, Brownell, 25 15005.

VIDEO: HOW TO BUILD A RED BOXT, VES 73 min. Outplets exply sep instruction on how to consent a Right-Sanak unserblate into a red his. This richar multiple Regist. Sanak unserblate into a red his. This richar multiplet is used. Magnification of circuit based gives a genut decided view of process. Other not bead gives a genut decided wire of process. Other not bead gives a genut stand more libes investment good if ever make? Only 529 LIS SS for shipping and handling. DOUTAL RECORDING KEYCHAIN. Records ANY was generate to the right, Weight and Fits in process for gas greated, it is second equally, included a watch is standard. No secondly make stry, 528 US and 53 stapping & hardway, Suite Mol. 136 Stepping & hardway, Suite Mol. 136 Stepping & Light Mol. 136 Steppin

GET YOUR COPY of the naves and bes ANSI bymbhad batch file detects. ANSICHKO ZIR Saul SI to copy oblipping and standling to Batick Harvey, 700 leachage St. NE, 2430, Arbana, GA 30003

CARD: READELYWRITER-PROGRAMMERS In Schönde, Flore attended Integral modice (CIME), INC. 2 model, Williams Von Eth Staten (WVES), EX Radia Schiner (KVES) - model mode, Push books, passion of southern services relating to computer phons, A list and group harbing and phreshing, southly and countries in the computer phons of the countries of the programmer of the country for a countries of the foreign southly countries, PO Danier SVI, Alteragorda, NM 85306.

"TOE MACICAL TONE BOX" Fally assented versize of this device similar to the one published in Winter
1992-94 issue of 2600. Chedit and the one published in Winter
1992-94 issue of 2600. Chedit and the one published to the other of the other other of the other of t

CRYSTALS waitede in their question ON(N) § for Stot, 10 for each Stot POSTPAID, acch additional expend on sub-Stot POSTPAID, all address from entacte U.S., add \$12 per edge, U.S. Invide. Per genetity decreases, and prech, mitude phone comber & needs. E. Negman, 5040 Rhyl Fast - Suite 19N, Was New York, NJ 07091.

SEC HER HER Info Exchange SEE SEE SEE

DATA INTELLIGENCE CORE (SR) 697-2886 An

information evolutings for intelligence matrices. Harditis (IPPA exhibits to well as expiousge. Need information on Resident Intelligence Sand neural to plaqueoif@port of the Need EACHANGE. Researched any healt-planes is constructive that its Expectably looking for the formative fundamental fields from Need inclose sort ITA back mag. Sand into and matrix address that computation) on London Underground of derry bloods, 120 Chemetrial Rel, Addied, Middless, TW15 (NO, England

WANTED-Any influencian on calls hashing or ANSI booths. I need to know what exactly an ANSI booth show, whose four govern, and bow it works. Also need any other BBS or eaths hashing inch. Will conclude Localedge with anyona, Sept into to the Dominion. Alia? Was Assorb St., Tangor, Ft. 2058-1924. Will exchange knowledge!

NEW TRGLISO ILAC KER requires contains to order to bear and deviates the one of backing and ghoseling, will growthe a NeW negly or any other backers who will take the time to negly and supply information. Send any correspondences for The New Jesus, 16 Fidula Crea, Castle, Merthaniel, Chrishin, CWS 1DJ. Lingland.

See that was Help Wanted that has her

NEED MEUR TO CLEAR MY CREDET REPORTS.
Please tepperate PO Bur 6/38, Ottogge, ID 36/50.

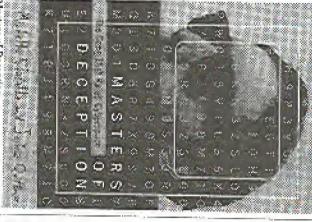
was was was Hacker Bounds was was was

TUNISHACK BUS The hoters and before flowering Around for over 6 years! Face PMCCDNATC enters on Survey!" Special deal for 2004 readers, efficiences for had the regular rate. Yes measured 2005 Majorine! 300 to 14.41 \$1 pigs of files! (\$18) \$23-3551.

ANARCHY UNLINE, A computer builds based resource for appthies, survivalues, advanuess, towardigates, unsections, computer lineture, and phone phrasics. Scheduled hacker that medecage Entrypood unaid-file exchange, field (214) 259 85/8 by modern.

Marketgibee sds are free to subsembers! Send your ad to: 2600 Marketpilace. PO Box 99, Middle Island, NY 11955. Include your address label or photocopy. Ads may be edited or not printed at our disension. Deadline for Suprimer issue: 5/15/95.

SER HER HER HER NEW NEW NEW HER HER HER



Review by Scott Skinner \$23.00, HarperCollins, 225 pages by Michelle Statalla and Joshua Quitteer Masters of Deception

videal, and deal of the group - that Advices fais in forms of those two regions - that of the indispirit and action of what the Eucker either entries. each ideiting an individual invest select in both whom belong to an exclusive hacking group, yet committeeings (at less, in the legal sense), all of simplicity, and regularity. They all commit bad. They all sob, seed, and fell with atarraing in Masters we used some localgers, all of whom the monality of each of the characters. So it is that draw markedly at flatual conclusions concerning foots of badness which allow the sudience to ordines. Set there are, nonetholoss, subtle distincdon't. Oally I enaighful total but recall that the ten base much in common, mind you. They after complicing Sheetla and Quinter's Western Sowing their titled namesakes - are all downight The character's from Leone's film - for flory Job-The Good, the stort, and the USB. Not that the of Elecaption is Sergio Cavilla's obtain whatern. One of the flux things that comes to build

> Robert Morris and the Internat worm the most potenious between 1935 since that of are integral to understanding what has become in the last two bursts with the single in the start both times spessing one over the other, spontanes submote to deconstruct the story of MOD, some

awn controdictory then expageony to secrate and comperimentalice as ting capacity to hold nationally explosive beliefs, know more? Just as real people have an agraz-Mondown is sergies, has an equally empressive Elical of it The Mission," Mark (Soughs of it as or commissation or even knowledge", and "III pride" when Maneys relia as that "Mark is of individual orbits toward that of the group. bond", incloses that company suppost a specifical "The Project." And Paul!" He just wanted be ded , they did on their own, without Mark's help Musicus heaver did or other 2010 creaties. Something bigger than all of them 3rd bean exemple, Masters is replace with sentences such obvious coaldiels inherent in such a rask. For plishes its parenged analysty by ignoring the But here, then, are we to interpret this districtical synthesis, however, Afasiers accomrespective exceptors. For from achieving any of Mazers, as any deposition of a proup will not das. This is purhaps the most challenging aspect unally detract from the individuality of up bized gangs with conspiratory goals and agenwork to the class for its portrayal of hockers not technical process. Mesassar is also a tumpuo oterally as individual's but as adumbers of argu-Vollently or otherwise, so the beight of their own example of what MOD could accomplish, inacincomparation, is rather techesely used as an to in Ribins of customers noticewide. The cash, which crippled long distance telephone service (paining stone, that of the AT&T grash of 1990) hack computers on the Internet, the toppagers which is a feedbook case of AT&T's technical implications of this are altoded to from hack the selephone switches thereaches. The who samprise MOD go one step further and them. But whereas the subjects of these earlier Crackshown (1992), Masters of Deception is yet (1990). Cyberpank (1901), and The Hacker case and the officials will eventually calcit up to acother story about yet another group of hadeworks seemed contacts to use phase december to "A group trind had already taken over In use serie wein as The Chebook Egg 7

> readt, you get a group of friends, not a geog). come from, when you put friends together to one Snorrost a Giendehip (and, incidentality, where I confusion dues to use relatively distinuted the as-"Flexibility" The rose of MOD was first and End and never did was the rather innocuous term In any case, I know of no beller way to arouse liamentarism of their Totas-based couplerparts. point, Mexicos even describes the LOD gang as mescers as they pittle through this text at one a find that is likely to escape the attention of Gettr Effect were synonyme. One thing I was hoping to Bot that MOD but neither the rules not the parsometrow otoco gangable than LOD despice the Interestingly, Howers implies that MOD was being "iose like any schoolpard pack of boys". taking the term yang in an extremely holded source Anything else." The point is that the authors are both a gang (albeit a snorge) one) and a club ohibitors that they Bever have "OK So MODE describes HIL'S toom as "....Too closest thing to a national clob. Perhaps that is why Mazers other of they were standing shoulder to shoulder sury gang I know on Sounds more like some on the same bus". God, that doctor't sound like live in the same states, wouldn't recognize each word and miss the receiving. What sort of gengs pions unlikewante that many readers will see the "Gong members on the electronic frontier dun't and we telling about here? Massey nells 16, control (96) 810 new associated with it and even Istidad anto this wood, given the depative exerciit is unfortunate that Statella and Guidner have these leaders are all from the inner city, the it in his edicles on the same subject. After all, authors like that term. Gang. Quinner coop uses last. For example, MOD, we learn, is a gang. The spawning ground of gangs, Gangband, as it were. accounts for why so many of its thick points are which one can seef through its pages which invalidably indepensy it is providedly the size with Margers is andoubtedly a good road. for-en-read children's story for adults.

Do the MOD came into existence - a husber Missing are the self-record to the fact that - by some purpless as in what the characters are doing. openious goines in history that would people winted in an historical void. Vissing are the now. Yet at 121105, Asserters appears to have been in their propert incuration for some 15 years But this is 1995, and backers have been around ides of camputers, let alone computer wineres which has harely become comportable with the peterns attempt to captain backers to an audience what so disay other backer books have deep no means a great back, if only because it does While Masters is indeed a fine book, it is by

> of complex ways of Mosters has any weakness. a whole for each they all the argenter to a physical to that there are a for of characters in this sonry ang, I sometimes charge at the cooler a sometime originate of Shortly and Quicher's undertakcould fill volugess, While I certainly pespect the you some perspective, Mode's industriant alone volunes to something under 22% pages (in give) it's in aging to simplify a story that could fill then, has a range or go believe greatmess. The fact Heapon's former on computer hooking, Mosters, even white drawing strendion to other ridiculars course. Even entre, Masters makes this enalogy outh's corporate computer is not like being and ogics thet ware presented in the new famous locked out of (4'c') own house; if anything, it is Open again, for the record: being locked out of being locked out of one's conjugate computer. of the moranic "batter" paradigm to describe are beyond the some of this poview, one thing I tike being looked out of one's person gots Mantan does not have sit index, or source notes culture had already existed and flating-of found absolutely inexpusable was lifesteen beg the first and errors. While addressing these carety. this brook should be taken seriously. Add to this paragraphs became - wouldn't you know it scanner and some OCR collivare to find these 1926 events in backer bistory. But you will need a this areture that make one wooder to what degree for the page . And it is precisely omissions of Jackson case, and other unquestionably imper-Rubart Morris, Operation Southwell, the Steve does have a robot page of two acknowledging be a kid with a notations, stuffed with passwords US that "To be a hacker in the 1900 1980's was to around the world. To its precit. Wastery does relikinds of university maintenees". And Magnet Sin United and VALVor, switch distings, and all

This review was written writing our the use of With a little of their you can arrest using 其に引いているというないので these terms in will, The timestry course. godulneter/k Ather States of 《學院職差所 であるというできる SERVICE S は多なが うやわられ A Staken

main pions of evidence against those is a video-Serves for India one entertainment. type. The difference is that they made in themdepoid on pure stupidity. Hwe teenagers tions. In Agrecies, however, we can glasges could have on such trings as public demanstra-10p of 25 Sat poles sowast hundred yards apart Church Street. The 20 cardials are produce on Florida are stabling trief for vanishing and the few people wandering what kind of effect this are pupping up all over the quartry with only a room a few blocks away. Systems like this one and are incividually controlled from a darkened

behest of the Church of Scientishey and suc-

the system administrator, he had the obside of

all. Rightly policy, slight by the good folks at

The energy arous remailer in Figland used by

Interpol, reided the agong conditi site of the the linear or apparently iso't so energyment affor facustada lo transmir anonymous massages aver

60% yearsett! with componentials without ever sensely using offices. the strangest our being unlawful use of and the plumber was charged with various campathers lost thousands of dellars in business a cumpused Tast's right, you can now be charged had their calls counted to himself. Apparently, Rell Atlantic never thought of this security. The forwarding" on the loss of the competitions and A Pennsylvenia plamber ardered "hills call

thanks to all the publicity.

ing ideas and information through that forms demonstration for the property of the section of th to "go.s down" the alcretiging scientificon newsthe Church fields elsisationable. The CoS attempt group appears to have loudly eachtired in true

Notice in a lewing people to you things that Scientrings obtitions to pursue a lawquit against hind of some traffe. Meanwhile, the Church of The Useans mode and anonyming to proved this as we're concerned, there's not much difference. grand up one same or the extre system. As far ah religious cientology newsgroup. According to who had posted solutions information to the costally got the real errort address of a person

Hong Kong experienced the power of government

Specifing of stare region, Internet users in

Software, Car Ne NEX continues to have beyon White blacked on a larg marght they were service that places, our prosessmenter food Stipped up when investige & Total Reserves, the TOTAL CONTRACTOR STOCKED TOTAL STATE OF THE BE TOO CAN HAM TO THE STORY OF WALL HALL BOOK MICHIGAN COMPANY Middle Standarding over the Southwest of Sacks のながらたことのなからない。そのではなど、多様でなどのとなりは harror である。在別者の古代ののないないを表現のLachelly NYNEX has done it again - this time they

をなる様がはのの自然者なSOKA (Security Obserter) の特別が必要として 場合の情報を表すない。A (現代の MASE)のない。

ed あるないのののははないcpingをあることでいる。

fined waters of \$10 KB the Blanding String to Death rather than the will the remaining the

ではいいの一日では後のなかがある。

According to the Capading Athance Ages of Software Tauli (CAAST), the position Social (Mentreally "9) North " and 19 amous "Segion of the Capadina and the second of the Capadina of the Capad

effect was most challing as nearly all processing the

leaders from operating. Whenever the intent, the uniformed oversociably or present computer on who you talked to, were designed to appeal affor a series of government mids that, depending fusitional. Access to the net was all but out off

then was out off throughout the operator, in

explain way the work was performed out no technicism returned the following day and sugmoney. The employee could not satisficially obstocher refused the technician acturants the gested that the 530 be called a 115°. When the contor, in a written statement, maintained that the sections an denied occurring any money. The currelative of the customer called regarding this poly jack and wiring during a new line service conct线接收 on instell an additional uncontrodized by and was advised to contact Security. The policy and payment should be made to him. A next. The allegation stated that the Survice Texture and solidist and received \$10 from a leaboletan claimed that this was new Company South tower golden report that a Service

employee was dismissed."

prevent there from because the theory of was compressed the their error occurred valed to place (behallon) think pasts, calls all their light no arrest year year, made to due woulded versito specificad identificacionistres for markly payments of \$250. This has been according for admirate to call the spicing is and an ines per a New York Telephone employee was call force world. The washing in a second and a second でに手機能を記るのでは他のです。Titoの単文をcrite every second that the entropy assets and and of carminal box, when safetioned on employee Capleyes acting suspices原文 の語の working if a During the investigation, Scott the State of the wanting customers. Eners without sufficiently Departury personal to anonyment report that

three days. pestitution of \$500 and was also suspended for true. The employee made a formal apology, paid bootion. Sections between the all characters to be ing a religious a tible or a gifteemer's topicess ことのProfession が必要があるのではある。

representative obsimed that he made the inquiry compounised. She alleged that but exclusional Both employees were discussed." at the request of his ex-witte, which she deried. was done at the request of the exticushand. The acknowledged secosing the needs and stated in good and found that the TRG manager had who is a TRO Staff Manager. Security discoverrecords for har mon-pools had sorvice were being sourced the records. When incorposed, sho was obseining the pacards from his girlifriend Representative reported that the calephone "The examile of a New York Telephane

threats were usable to the plastened of other cothreats but claimed they were made in jost and he ening statements concerning the Company, inemager that a fellow manager had people threatwould never do anything to cause damage to the workers. The scupicytes admitted to making the Vidences voterans, guns, and oxplosives: The "Security investigated a report from a TRG

belief forms were submitted for the work. The Company or his follow employees. The employ-PMP but was able to keep his job in a subseon had previously been placed 'at risk' under

the criera. The epiployee was distraissed." employee had prior knowledge of the erime. The ted to spending a portion of the proceeds from partiest to econtri the robbary. She also actionpolice, admitting that she was aware her hasband catalogo a side a video capal interview, with the Company location it was also appoint that our an armonal couch delivering payroll fuer's to a employee was arrested for the armed subbery of then the husband of a New York Telephone "Security received a report from the NYPD

medic information. Section described that the system, thereby avoiding allocated for customer

system, bypassing the Direct Order Entry (IXDE) entered into the Service Order Processing (SOP) freediliers remove. The coders were directly has been separated from the payroll."

queen FMCR are were again, infectioned "as risk" and

for now telephone service were processed in a

"Security received a report than four orders

proceedings of the party of the management

September 2

The evidence The applicable close thought that this WHEN THE REPORT OF THE PROPERTY OF THE

からなりまであるがあると、大の中の大のないないのは、Leter

Representative with the application of parameters of the second of the s 在THE ARTHOUGH BEING WIN KITCHE orders and Concession And を存む and RAIO

Supleyer Sendansod Elegate the a State Represent to principal the cate that a fire-entities on accompany him systems. The employee admitted to bringing his Applied foresteers in the PCRES (Integrated ·西京都於憲法公司 香香 · 12 · 14 · 10 · 10 teres. Security was unable or substantiago access she had perfectived any work in the data trace sysdaughter to work on one occasion our denied than Customer Record Information System) and SOP distributed across to Company seconds, and to weather Secretary and was also at agent transing がはない into the systems. The employee was clusted of had assisted her father by performing various STATE OF THE PROPERTY OF STREET, STATE OF THE PROPERTY OF THE

employee to the scheme but Security was make terner for the organizatived installation of the he had installed unauthorized jacks on other to substantiate this affegation. The Escent was coossions and said solicited the completining castcitied the employee to be an Escort who had been jack. The subject also implicated another When interviewed, the employee admined that represently promoted to Service Technicist. install an additional jack for STR, Scooply identhat as employee offered as return after cours to Patriosites a cool body: a payage state of the

can get a job in a phone contrary, these days, The good news is that it seems virtually anyone cation and litero are many more such stories involving only one phone company in one state Too lead needs as the this is a quarterly public

dismissed." Sile tion

Paradreal ten suppliers and the or street para

Tractions section dealing with econs of tractal or

to darger and the Personnel Policies and

concerns about civil liberties in an office to dereorate video security systems, brushing eside any

additioned agencies are rushing to install clab-

governments, civic associations,

in many other Belish towers and cities. "Local "is definitely websing" in ordine Liverpool and

The New Parties calmy that Big Brother

ness to inches their affice records staid SEVE THE TRANSPORT OF THE PROPERTY OF THE PROP

The Principle of the Section S

and tips from JES jatemes ...

support inforcation, conditionary, however,

and is focused upon a busy half male stretch of crime. The surveillance program and \$600,000

ABLES

merapaly is a real base, not just a political poserior. Worked and it shows that compensate for the former excell but it makes freezinging seating. The company is year and 18 months old and therefore not worth regulatresemblings, playing, down the heat, claim or is because a sod de nes spape vilvire published the document. BT repbe and expisites when BT is doing about it. Fit were not The document spells out box reach of a firest ring, could "are librarily digging themselves in serves the councy?" about the challenge from cattle companies which, it asys, outside DET. It is an external princh Telecom briating labelled "polyate and confidential"; and "not to be shown pressupers leve both anotherwise and a dominant Invested meeths a maniber of isomodisks on pational

to grow by 20,000 a grown in the residential market and on the provious year. Seek telephone lines was forecast there are on leadly inchesorate it was written) more than to just place the bandwagger spot. The destimant signs estimody effering callie television by 26 of them are 3.000 for business 13,000 table business lines, an inchage of 500 percent ains offering phone secretor, with another 10 espected Export Periodican Information and coole groups. Most was transfers, must of which have he and all backing from cable in 30 streets a day. There are company 120 cable Oble companies are digging up and leging down

of the invainant settoral code charge. cable companies, meaning theep cable-re-reality radia allowed to such rates on when they more, exploration lass of phone manders of costomers are eventually named cath when lattic is called by Mercey; by in larger endocrasts; loss terenue for military and soler and the potential of a collected national, which could pull on the head beginess market collaboration between residential market being "westlewed up" and pressure lists those threats as follows: a large pagernion of the miss not be undergramated," wards the brighing, and "The corress which the calle and injectors to B1

to make a feeting, BT should remember, too, that only busy will be, so that It can show comparisons with its valo recipinies with bright young fadenoogsts, buying and less time to seat out times days, purfectively for proown shoker operation. But reeding problems take less en years ago it was a bepeless, abunitalis discour congrains and with Monoury, which there almost our quality. BY is onlying on feeding problems with carde business by justing the employees on volucing the and years alread of pure plane companies companies for Amorios, for instance, where phone services are light price... and by emphasising our quality of service." In off the charlenge by feculing on value rather than bessere: The deciment dating "We can and will been which has been impossing greatly since privation from I condition to replace a serious dent in the nympacy's image. from the immediate base of navarrage chase factors could am pet convinced its cooperate is the ascent effective one, littese are include actions obteats to BT. Quite upon

> advice was a look blosed. receiving thelp to the service person offering the help. customers discount any with BT by showing them that risera's just a charge some endomers might feel the convince analysis which are being put first Ay by there are employed senting. We West, " mally likely to Which Your Brounces! I could be writing, but it an impershould be actioned drough the advantising theme "We we value their business," it was claiming that this promise? the shapment continues. "We must help our "Putting the creatment for must be a mading, not a

cable companies are improve ahead because they are all enchanges, on charging where extremellers pay only for but DE's can only be aquitied (on demand) on eight parties, on billing, cable cells are automatically from sed disk may contact, eather have from a from and 160 offices Of offers approached in "cook all" breings center on to dish curve disgranded austriance. The robits shows that they make as underrychilded, on local service, where when they we and RT users pay to fixed size units redich impersand runders the 151 Scall baths by god ownwork, cables have observed into another posts of the white On price, orbit forms are "obsoper overall"; on the govremense of the objective the company is inthing as wall nd a series of subjects which, again, appear to make a Contribute is some problemen Messury lines gas congrected fault response and M-book facil sepair, although it septs assignation typical service mound includes four perpay mate. Sead on, end you find the OT affects the calds There then follows a table comparing RT against us awals Here the literact ST is at managed that people should politica mare unless it us a parety subjective jedgment needs." It would be interesting to see how, given what we have already read, they justify such a claim about conswice that are all designed to most every engager's mits, a wide others of products and high quality of serformer. "No other supplier was offer seen conjuctive Delicity a property suggestion property in their one stripped in this field by the while companies themselves). nonsense Worldy, "Total" technology" (already for each a new concept to BT); "broadst odportfolio" (big styll experience lies of number a poor so view - good service is and of potentials, "depth of payersines," (is depth of tion: "quality of service" (improving, certainty, but for have been said to constant see on to their all the represen-"understanding of business month" (dinc). Then, So beru in its own pares, are the time things RT soft

goes. Doing needing is not longer at eposed $\overline{\partial T}$'s hopiness base". As the company works its employthe residential market and a significant percentage of operators instructionally ending a large properties of what goods if, in or own woods, it wants to stop the table chains ear by explained by [6] and when higher posicities have to bit back with a lot monothin singuis and a good staff. But this is a glowing document and fill is going to Perhaps some of the contradictions in the sed

2600 MEETINGS

NORTH JULEUN Annathor, MI

Galletta on South University

内は世界の中

Picor, some from the Newscerror, Psychologia (410), 547-Selfmare Timer Heathor, Section/slope Food Octut, Second

Gallon Houge, LA

NAMES NO. 1884 1887 1889, 1888, 1888, 1882, 1982, 1985. Swonson's for Chears, each to the psychology. Payabone In the LSU deion Building, between the Tigor Pause one

King and the bank of perjohence that conflicted incoming Will of America, notin side food down, across from Burger Biggreen and

phones. Paydrone numbers: (208) 549-5409, 5568, 8300, Student union briding at Boile State University and pay

10171 2007-0026, 200日 2007-2026 Prodergal Center Plans, Tempor Flood Court, Phyphonesis 20 MAIL

Brd Cover Bare, 1980 North Ossidom 加速器の 当然には (Statemon) In footiest non-thed cond Chicago

Kerweige Town Contra, apod cours Cincinnati

900, Se to George 1491, 1567 for foot oath, (213) 756 6766, 9777, Clearwater, Ru

University Cindo Arabica. Chekand

Chyclene, love the real to payments Columbus, CH 記せる

Section, 7 per Festivanies (\$14) 95 (4890). Presion Ret. in North Editor, flest liber of the large etcy solp "Mama's Fizze, compact comes of Campbell Rd. and

2000 Prof. 2000 Sept. Local Mail in the new section by pricines. Payabanes: (715) 工程第2月 元

Food count order the cause in Gallado 2, case to Webbye do Food operations Calc Fig. Mail in Overland Park, Kanson. Kansas Cry

TO 18700

Bio 1996 \$565, 9500, 9540, 9580; BEN-9980, 9624, 514 9849, 6672, intrace by hack of phones. Paychenes: (\$15) \$72-\$358. Union against, comer of Magy & Agarette, traite main Life Ampeles

The Wart St. Matthew's food cours LOCK 61世, 大学 Wedleon, Will

Make the belone, asked and our

Union South (2018 Handal 5) on the main level by the Phythones. Phythogen our bords (605) 251 9746, 9014,

New York City

Serd St., Netweet Leainglan & St. Perphysics (ESS) 995. Chesp Carts, in the later, near the payabones, 188 E 901, 6927, 909, 804, 6160.

Cele Win on Sussex, a block down from 8 deep Street. / Office, ONT (Canada)

20th Stoot Amerik Station of 80th & Market, under the "Stained "Logic Registrates (213) 828-869, 9800, 975, 明明, 2007, 2018年1 ではいるのでから

to test com Paragraph and compared the second Potherly Center that, south at downcown, on Route 279, to Portland, CR PERSONA

Days Cores Naf., second level at the boot gours Foughkeepsie, KY

Recip Shack, near to the food region South Hille Walt of Book 9. By the paychones in hone of

Craft for Maley Male, I vol 1997 Rochester, AY Rateigh NO

Gallotin, Highway 40 and Drantwood, lower level, local count 15年公里(2015年) 10日 (1000年) 55 Paris

Man, In the thought 明治學學學學 學一次 美拉克斯科 獨作 Edwitters Flaza food court, upstains by the theatre. Macration and

855 MIN 865 4 Embarcado Piese (1984), Paymones (415) 888-868,

San Francisco

Westinger Sale Correction Center, fixe four Pepphones.

(95) 200,000 (95) Fernagon City Not I in the lead option Machington DC

CONCRETE SOUTH AMERICA Busines Aires, Argentina

Chilling State of Section Control Transaction of special consequence from February Companies to Condon, England

Tauptishmed (Central States), the Took by Burger King VR machines. 7 pm to 8pm. Munich, Gomany

S2 52 57 55 Hackgrounder - Hackgrounders Builtwace of Hackers Person for representative section of the section of and the payonenes (One stop on the Si-Bohn from

ALEB 41'd of the fown square (Stora Torget), to the right of からなから、Trackers (Aller Managers) At Kuri Prio In Fodro Antonio de Alexo e Speet. Halmand Sweden Grandon, Spain

in your offy, leave a message and phone number time unless otherwise noted. To start a meeting All meetings take place on the first Friday of the month from approximately 5 pm to 8 pm lotal at (516) 751-2600.

PLEASE CHECK GUIDELINES ON PAGE 19

2600 Magazine